

No. 502

**BUFFALO  
SCALE COMPANY**



**BUFFALO, N.Y.  
U.S.A.**



CATALOGUE No. 502

ILLUSTRATED PRICE LIST  
OF  
BUFFALO  
STANDARD SCALES



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Cable Addresses: } Bufscale, Buffalo  
                          } " " New York

NOTE:—In addition to our own Code given below, A B C 5th edition, Lieber's and Atlantic Cable are used.

Telegraph lowest net price for.....	Eadsy
How soon can you ship.....	Eahls
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Ship by express .....	Eamph
Ship by parcel post.....	Eantz
Ship cheapest way, express or parcel post .....	Earbs
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When will you ship our order of the.....	Ecalv
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2266 Ympuj... ..	120	2442 Ynwiz... ..	130	2550 Ypsmi... ..	131
2268 Ymreg... ..	120	2444 Ynwun... ..	130	2551 Ypsno... ..	131
2270 Ymroj... ..	120	2446 Ynxel... ..	130	2552 Ypsoh... ..	131
2272 Ymryl... ..	120	2448 Ynxon... ..	130	2554 Ypsrv... ..	131
2274 Ymsch... ..	122	2450 Ynxse... ..	130	2556 Ypsyk... ..	131
2275 Ymsix... ..	122	2452 Ynxup... ..	130	2558 Ypteg... ..	131
2276 Ymsma... ..	122	2454 Ynxwu... ..	130	2559 Yptiw... ..	131
2278 Ymsok... ..	122	2456 Ynvak... ..	130	2560 Yptla... ..	131
2280 Ymsro... ..	122	2458 Ynyic... ..	130	2562 Yptoj... ..	131
2282 Ymsty... ..	122	2460 Ynyur... ..	130	2564 Yptru... ..	131
2284 Ymsym... ..	122	2462 Ynzid... ..	130	2566 Yptuk... ..	131
2286 Ymtna... ..	122	2464 Ynzta... ..	130	2567 Yptyl... ..	131
2288 Ymtpe... ..	122	2466 Ynzve... ..	130	2570 Ypvix... ..	131
2290 Ymtso... ..	122	2468 Ynzxo... ..	130	2572 Ypvul... ..	131
2292 Ymtum... ..	122	2470 Ynzzy... ..	130	2574 Ypwah... ..	131
2294 Ymtyn... ..	122	2472 Ypben... ..	130	2575 Ypwew... ..	131
2296 Ymvek... ..	122	2474 Ypbor... ..	130	2580 Ypxek... ..	131
2297 Ymviz... ..	123	2476 Ypean... ..	130	2582 Ypxom... ..	131
2298 Ymvun... ..	123	2478 Ypeif... ..	130	2583 Ypxun... ..	131
2299 Ymwak... ..	123	2480 Ypdap... ..	130	2584 Ypxyp... ..	131
2300 Ymwel... ..	121	2482 Ypdig... ..	130	2586 Ypyib... ..	131
2301 Ymwib... ..	123	2484 Ypduv... ..	130	2587 Ypyon... ..	131
2302 Ymwon... ..	121	2486 Ypfes... ..	130	2590 Ypzem... ..	131
2304 Ymwyr... ..	121	2488 Ypfov... ..	130	2591 Ypzic... ..	131
2306 Ymxem... ..	121	2490 Ypfvx... ..	130	2593 Ypzsa... ..	131
2350 Ynfas... ..	124	2492 Ypget... ..	130	2594 Ypzte... ..	131
2352 Ynfij... ..	124	2494 Ypgux... ..	130	2598 Ypzxu... ..	131
2354 Ynfux... ..	124	2496 Yphba... ..	130	2599 Ypzys... ..	131
2356 Yngba... ..	124	2498 Yphdi... ..	130	2600 Yrbal... ..	131
2358 Yngch... ..	124	2500 Yphfo... ..	130	2601 Yrbetr... ..	131
2360 Ynggu... ..	124	2502 Yphik... ..	130	2603 Yrbta... ..	131
2362 Yngik... ..	124	2503 Yphuy... ..	130	2605 Yrbwi... ..	131
2364 Ynguy... ..	124	2504 Ypjav... ..	130	2606 Yrbxo... ..	131
2366 Ynhav... ..	124	2506 Yppl... ..	130	2608 Yrbzy... ..	131
2368 Ynhil... ..	124	2508 Ypjuz... ..	130	2610 Yrcby... ..	131
2370 Ynhuz... ..	124	2510 Ypkaw... ..	130	2800 Ysgap... ..	137
2372 Ynjaw... ..	124				

# THIS CATALOGUE SUPERSEDES ALL PREVIOUS ISSUES

## STANDARDS

Buffalo Scales will be furnished to weigh in the Standard of any country.

If other than American Standard is desired, it should be so stated.

## GAUGE FOR RAILROAD TRACK SCALES

Unless otherwise specified, scales for U. S. Standard gauge, 4 feet 8½ inches, will be furnished.

## PLATFORM DIMENSIONS

The first number given in stating a platform size always denotes the measurement parallel with the beam.

## CHANGES

A charge will be made to cover the cost of any change in regularly listed scales, either as to design or finish.

## REPAIRS

In ordering parts, give the shop number of the scale for which intended.

In Portable Platform and Dormant Scales, the shop number will be found stamped into the end of wood cap over beam.

In Wagon, Miner and R. R. Track Scales, the shop number will be found stamped on the face of the beam at the butt end.

It is also well to give the catalogue number of scale in addition to the shop number.

## PLANS

Unless style of framing for Wagon, Miner, Depot and R. R. Track Scales is mentioned, it is assumed that timber will be used.



## EQUIVALENTS OF METRIC WEIGHTS IN TERMS OF U. S. STANDARD WEIGHTS

### WEIGHT

1 Milligram (1-1000 grm.)	= 0.015 grain (Avoirdupois)
1 Centigram (1-100 grm.)	= 0.154 grain (Avoirdupois)
1 Decigram (1-10 grm.)	= 1.543 grain (Avoirdupois)
1 Gramme (1 grm.)	= 15.432 grain (Avoirdupois)
1 Dekagram (10 grm.)	= 5.644 drams (Avoirdupois)
1 Hectogram (100 grm.)	= 3.527 oz. (Avoirdupois)
1 Kilogram (1000 grm.)	= 2.2046223 lb. or 15432.3564 grains
1 Myriagram (10 kilog.)	= 22.046 lb.
1 Quintal (100 kilog.)	= 2.2046 cwt.
1 Tonne (1000 kilog.)	= 1.1023 ton
1 Gram (1 gram)	= 0.03215 oz. (Troy) 15.432 grains (Troy)
1 Gram (1 grm.)	= 0.2572 drachm (Apothecaries) 0.7716 scruple (Apothecaries) 15.432 grains (Apothecaries)

## EQUIVALENTS OF U. S. STANDARD WEIGHTS IN TERMS OF METRIC WEIGHTS

### AVOIRDUPOIS WEIGHT

1 Grain	= 0.0648 gramme
1 Dram	= 1.772 grammes
1 Ounce (16 drams)	= 28.350 grammes
1 Pound (16 ozs. or 7000 grs.)	= 0.45359243 kilogram
1 Stone (14 lb.)	= 6.350 kilograms
1 Quarter (25 lb.)	= 11.34 kilograms
1 Hundredweight (cwt.)	= 45.36 kilograms
(100 lb.)	= 0.4536 Quintal
1 Ton (20 cwt.)	= .9076 tonnes or 907.60 kilogram

### TROY WEIGHT

1 Grain	= 0.0648 gramme
1 Pennyweight (24 grains)	= 1.5552 grammes
1 TROY Ounce (20 pennyweights)	= 31.1035 grammes

### APOTHECARIES' WEIGHT

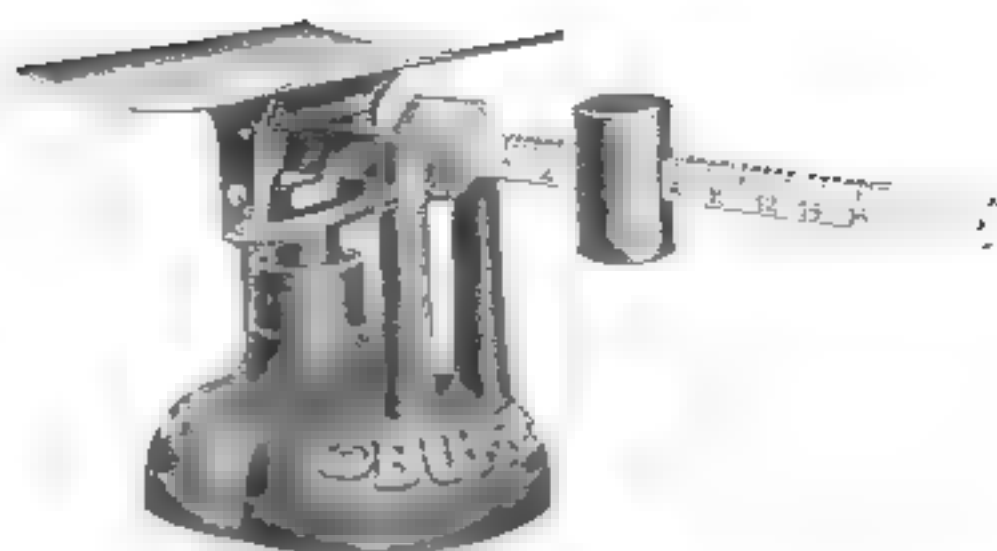
1 Grain	= 0.0648 gramme
1 Scruple (20 grains)	= 1.296 grammes
1 Drachm (3 scruples)	= 3.888 grammes
1 Ounce (8 drachms)	= 31.1035 grammes

## SPECIAL SCALES

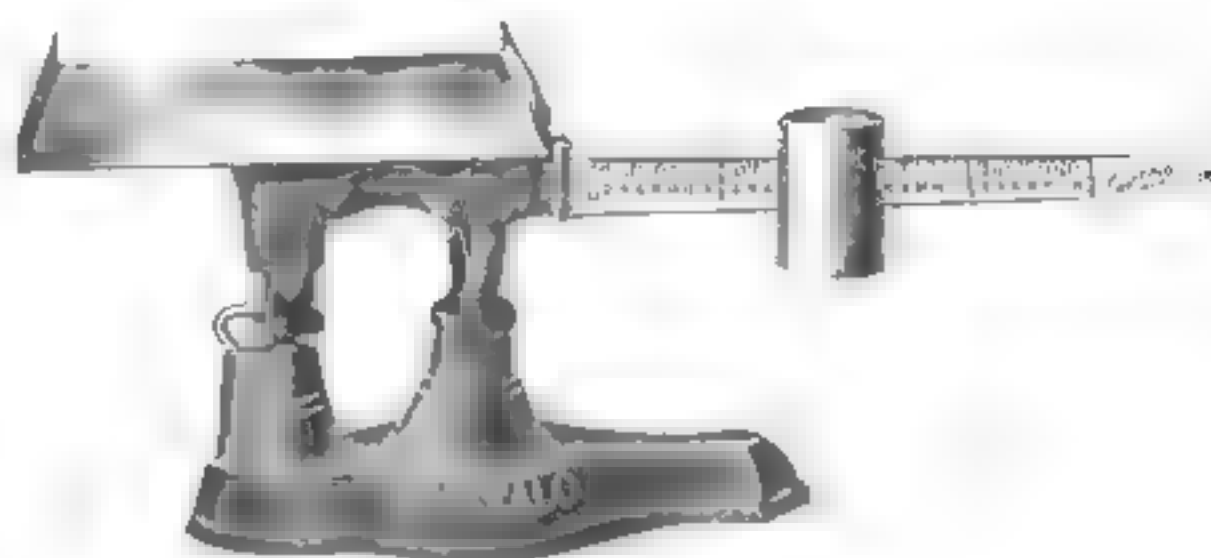
In addition to the scales shown in our catalogue, we are in a position to furnish numerous special modifications to be used for new or unusual purposes, or to fit difficult or contracted locations. Particular attention will be given to any specifications furnished us, and plans will be cheerfully supplied purchasers desiring scales as above stated.

Having furnished special scales for steel and iron plants, asphalt and chemical works, oil mills, elevators, breweries and numerous other lines of industry, we have a large assortment of patterns which enable us to meet the requirements of nearly all users of scales, and overcome the difficulties of location, or other conditions not regular. The range of special modifications which we can furnish is almost unlimited, and we urge intending purchasers to give full information if they cannot use the scales as listed in this catalogue.





No. 500



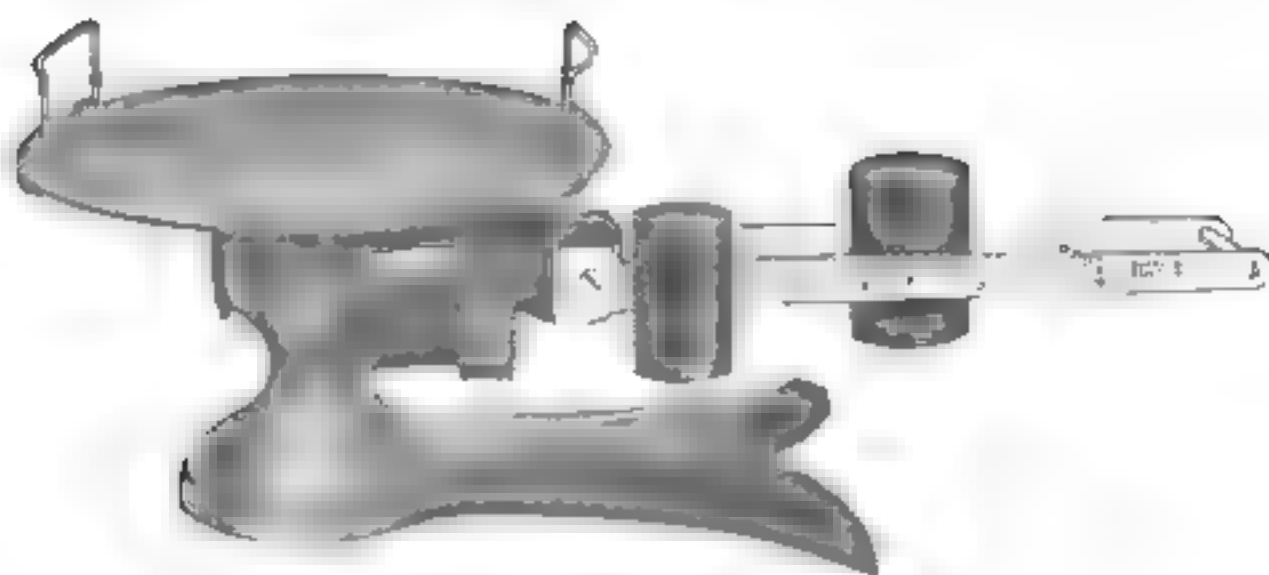
No 506

## POSTAL SCALES

ADOPTED BY U. S. GOVERNMENT

Postal scales are marked in  $\frac{1}{2}$  ounce graduations, but can be furnished in the 15 gram weights adopted by the Universal Postal Union. Our Postal Scales have been adopted by the United States Government, and are particularly adapted for office use.

No.	Capacity		Price	
		Gram Wts.		Nickel plated
500	$\frac{1}{2}$ to 9 ozs.	15	\$3 00	\$5 00
502	$\frac{1}{2}$ to 16 ozs.	15	4 00	6 00
504	$\frac{1}{2}$ to 32 ozs.	15	6 00	8 50
506	$\frac{1}{2}$ oz. to 4 lbs.		8 00	12 00
508	$\frac{1}{2}$ oz. to 6 lbs.	Double Beam	12 00	16 00

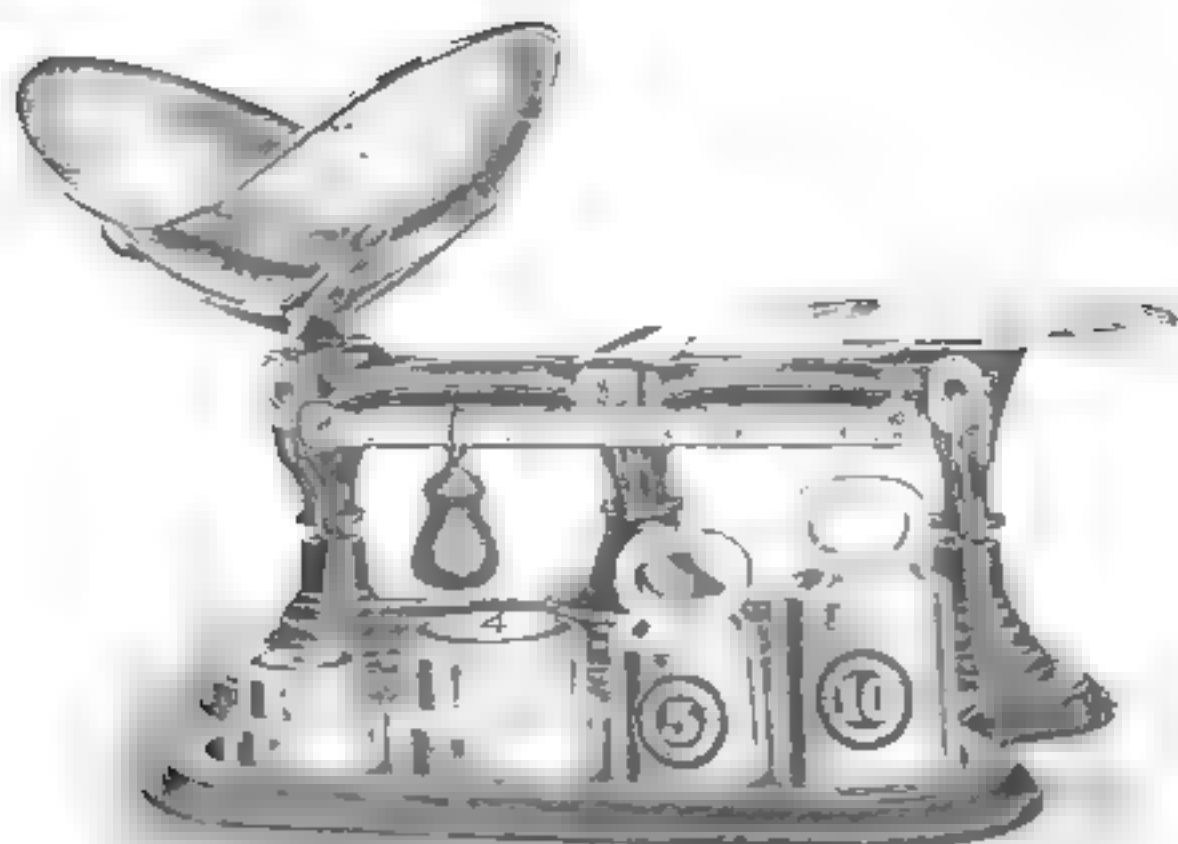


## PARCEL POST SCALES

Designed for weighing Parcel Post packages, also suitable for domestic use. Very accurate, substantial scales, with full capacity beams, no loose weights being required. Heavy cast iron platform, 10 inches in diameter, with wire fenders on sides. Iron work finished in black enamel; beams polished brass.

No.	Capacity	Price
510	$\frac{1}{2}$ oz. to 12 lbs.	\$10 00
512	1 oz. to 24 lbs.	11 00





## AGATE-BEARING SCALES

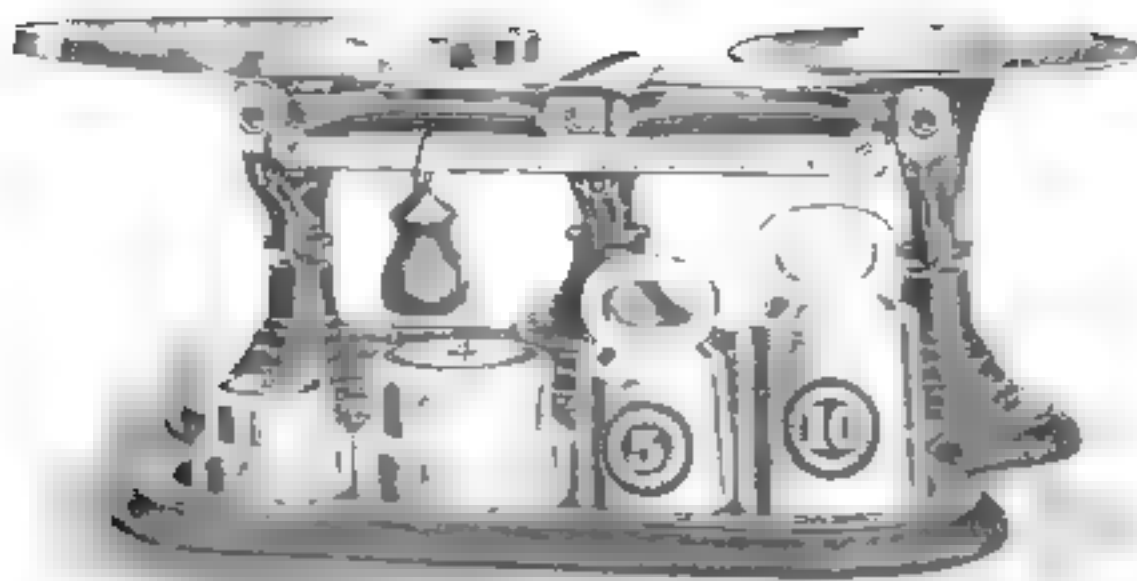
This line of agate-bearing, even-balance scales is unequalled for fine weighing. The six tool steel pivots of each scale rest upon bearings of fine agate, highly polished, making the scales full jeweled.

The scoop, shield, weight plate, side beam and pivot caps are brass, nickel plated. The scoop is seamless, being pressed from heavy sheet brass, and it is reinforced at four points, sides and ends. The scoop rests upon rubber tips set into the fork, thus preventing its shifting, and also protecting it from being marred.

The weights are nickel plated. A large oak or cherry baseboard is provided for the scale, and in this base there is a cloth-lined recess for the weights.

The workmanship and materials in these scales are the very finest. They may be had complete, as listed, or without weights and baseboard. Unless otherwise ordered, they will be sent complete.

No.	Capacity	Beam	Price
514	$\frac{1}{4}$ oz. to 8 lbs.	Without side beam	
516	$\frac{1}{4}$ oz. to 8 lbs.	With 16 oz. side beam	
526	$\frac{1}{4}$ oz. to 16 lbs.	Without side beam	
528	$\frac{1}{4}$ oz. to 16 lbs.	With 16 oz. side beam	
538	$\frac{1}{4}$ oz. to 27 lbs.	Without side beam	
540	$\frac{1}{4}$ oz. to 27 lbs.	With 32 oz. side beam	

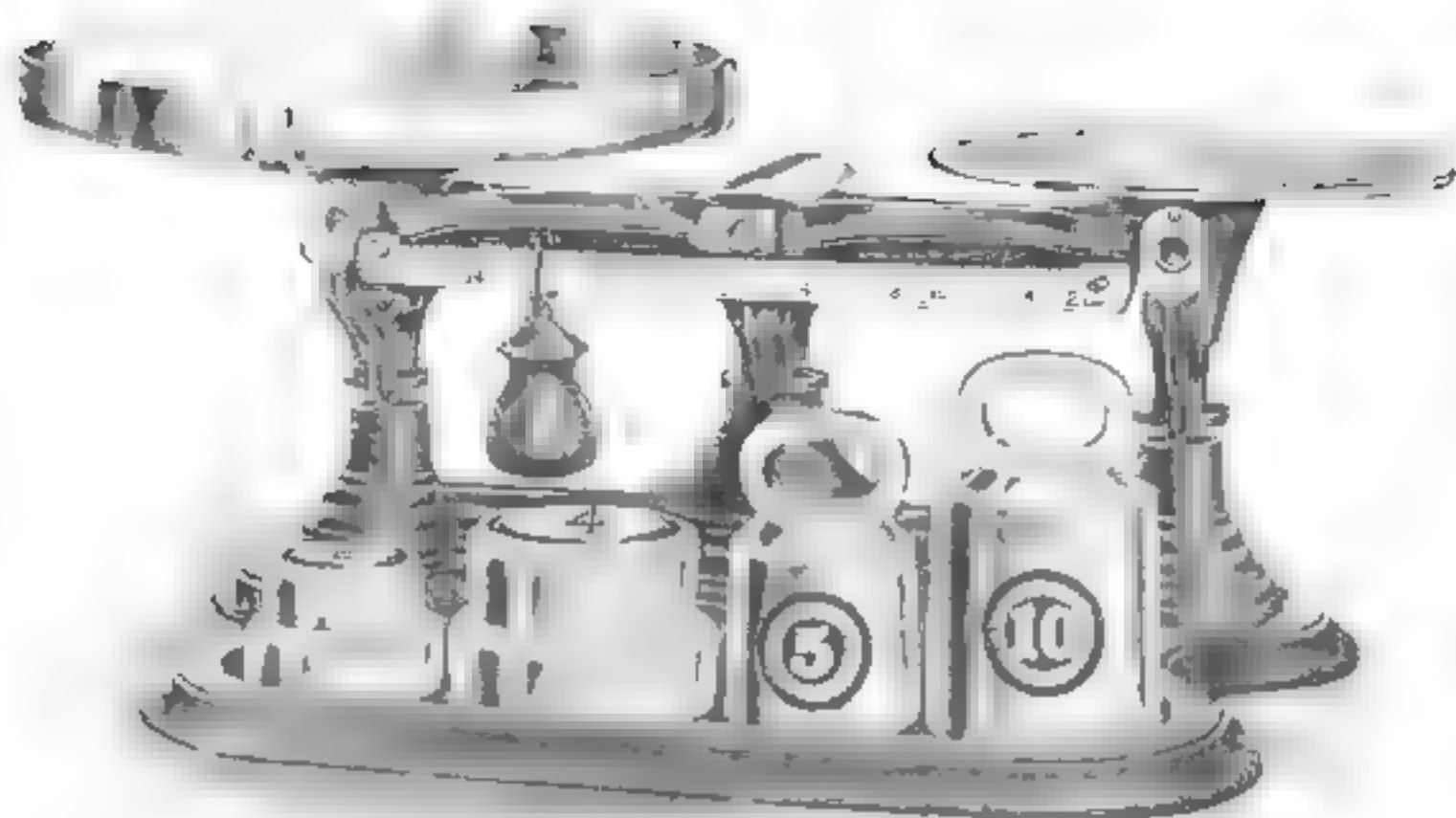


## AGATE-BEARING SCALES

### WITH PORCELAIN PLATE

A general description of this scale will be found on page 16. Instead of the scoop, however, this scale is equipped with a porcelain plate, as shown in cut. The scales are particularly adapted for the weighing of meats and butter. They may be had complete, as listed, or without weights and baseboard. Unless otherwise ordered, they will be sent complete.

No	Diam. of Plate	Capacity	Beam	Price
518	8 in.	$\frac{1}{4}$ oz. to 8 lbs.	Without side beam	
520	8 in.	$\frac{1}{4}$ oz. to 8 lbs.	With 16 oz. side beam	
530	10 in.	$\frac{1}{4}$ oz. to 16 lbs.	Without side beam	
532	10 in.	$\frac{1}{4}$ oz. to 16 lbs.	With 16 oz. side beam	
542	13 in.	$\frac{1}{4}$ oz. to 27 lbs.	Without side beam	
544	13 in.	$\frac{1}{4}$ oz. to 27 lbs.	With 32 oz. side beam	



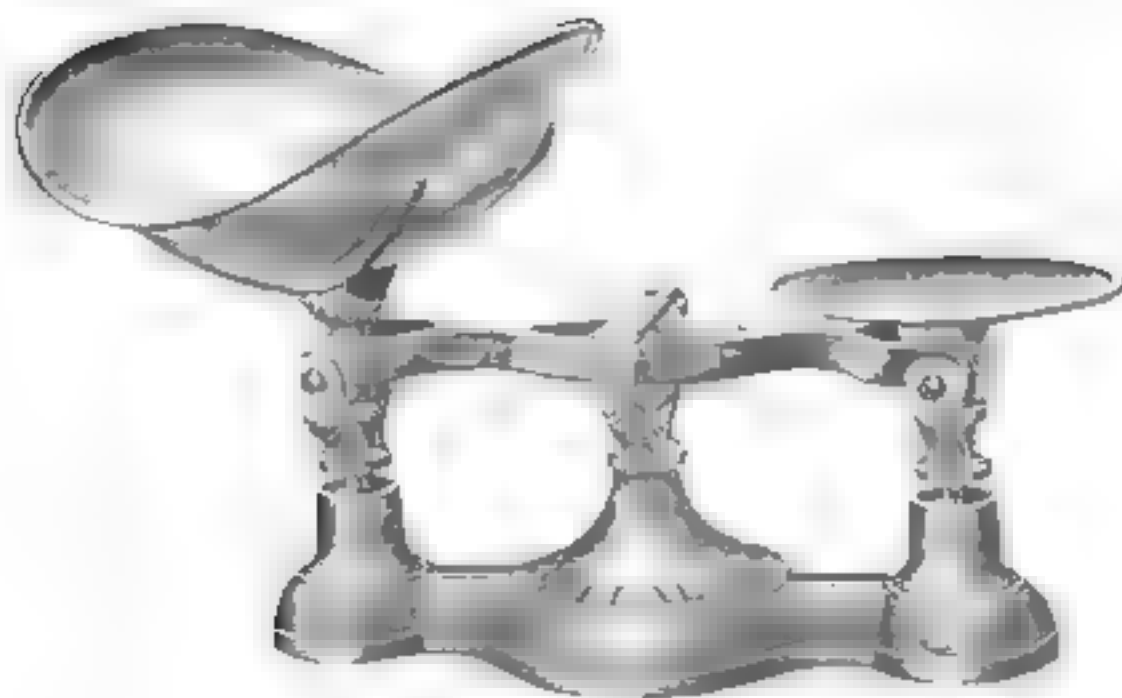
## AGATE-BEARING SCALES

### WITH SUGAR PAN

A general description of this scale will be found on page 16. The nickel plated brass pan which is used instead of a scoop is seamless and extra heavy. These scales are especially designed for weighing sugar and other materials sold in paper bags. They may be had complete, as listed, or without weights and baseboard. Unless otherwise ordered they will be sent complete.

No.	Diam. of Pan	Capacity	Beam	Price
521	8 in.	$\frac{1}{4}$ oz. to 8 lbs.	Without side beam	
523	8 in.	$\frac{1}{4}$ oz. to 8 lbs.	With 16 oz. side beam	
531	10 in.	$\frac{1}{4}$ oz. to 16 lbs.	Without side beam	
533	10 in.	$\frac{1}{4}$ oz. to 16 lbs.	With 16 oz. side beam	
545	13 in.	$\frac{1}{4}$ oz. to 27 lbs.	Without side beam	
547	13 in.	$\frac{1}{4}$ oz. to 27 lbs.	With 32 oz. side beam	





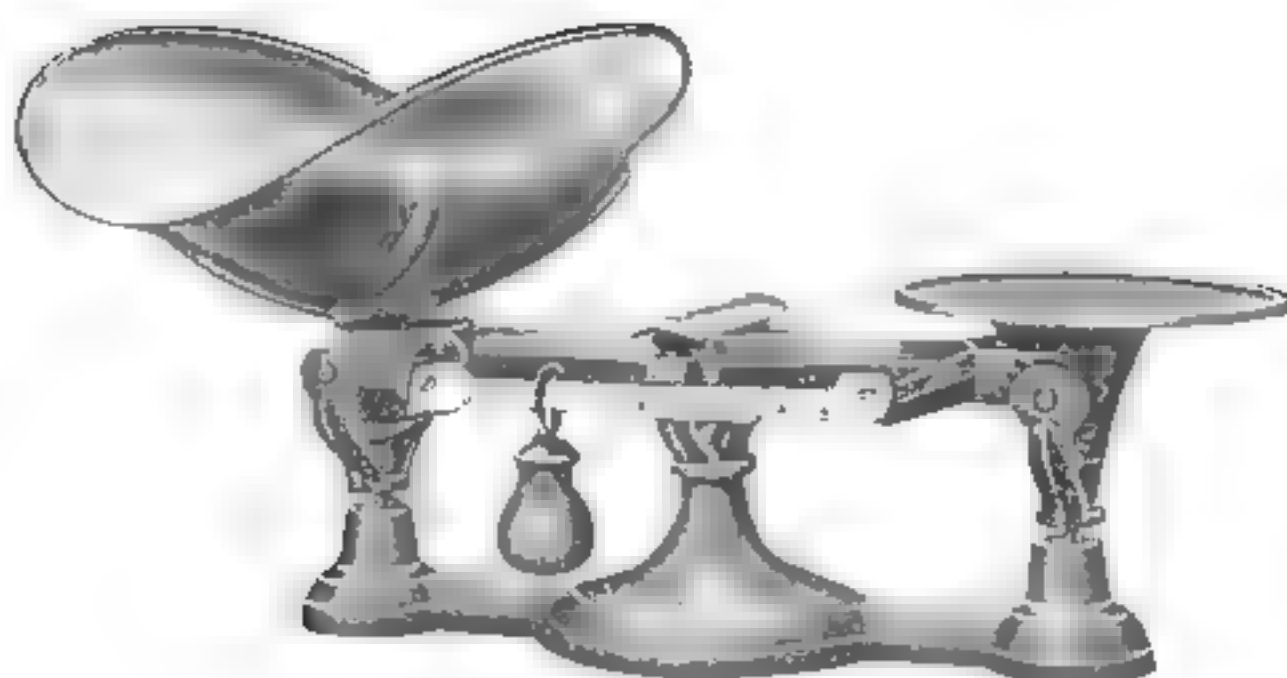
## EVEN-BALANCE TRIP SCALES

Bright vermilion finish.

These scales will be furnished with agate bearings at an additional price of \$5.00 each.

Scales will be sent with weights unless otherwise ordered.

No.	Capacity	Scoop	Price with Weights	Price without Weights
560	$\frac{1}{4}$ oz. to 2 lbs.	Tin, seamless	\$ 5 50	\$ 4 50
562	$\frac{1}{4}$ oz. to 2 lbs.	Brass, "	6 50	5 50
564	$\frac{1}{4}$ oz. to 6 lbs.	Tin, "	7 00	6 50
566	$\frac{1}{4}$ oz. to 6 lbs.	Brass, "	8 00	6 50
567	$\frac{1}{4}$ oz. to 10 lbs.	Tin, "	9 00	7 00
569	$\frac{1}{4}$ oz. to 10 lbs.	Brass, "	10 00	8 00
568	$\frac{1}{4}$ oz. to 16 lbs.	Tin, "	11 75	9 00
570	$\frac{1}{4}$ oz. to 16 lbs.	Brass, "	13 25	10 50
572	$\frac{1}{4}$ oz. to 26 lbs.	Tin, "	19 00	15 00
574	$\frac{1}{4}$ oz. to 26 lbs.	Brass, "	21 50	17 50



## EVEN-BALANCE TRIP SCALES

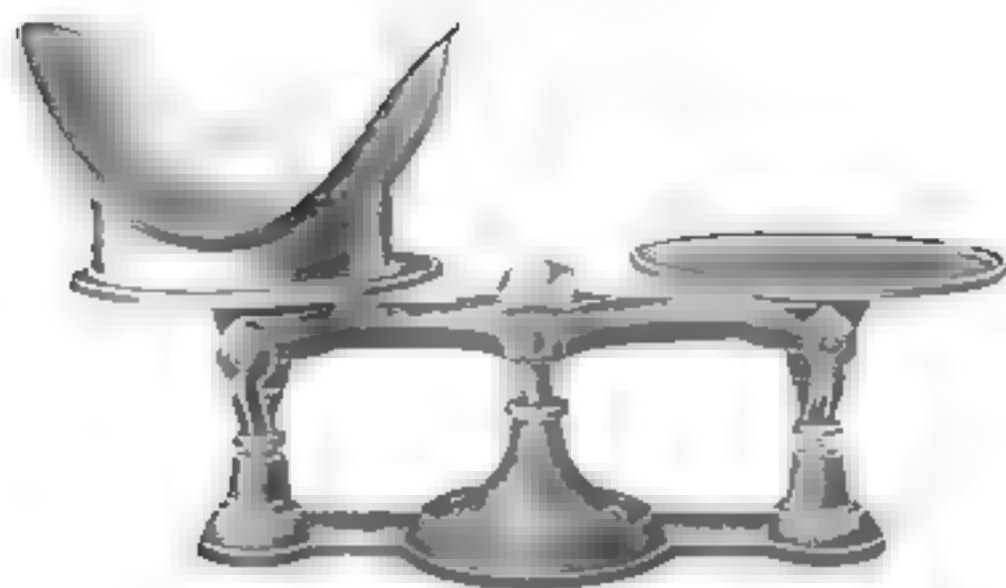
WITH BRASS SIDE BEAM

Bright vermilion finish.

These scales will be furnished with agate bearings at an additional price of \$5.00 each.

Scales will be sent with weights unless otherwise ordered.

No.	Capacity	Scoop	Price with Weights	Price without Weights
576	$\frac{1}{4}$ oz. to 2 lbs.	Tin, seamless	\$ 6 00	\$ 5 50
578	$\frac{1}{4}$ oz. to 2 lbs.	Brass, "	7 00	6 50
580	$\frac{1}{4}$ oz. to 6 lbs.	Tin, "	7 75	7 00
582	$\frac{1}{4}$ oz. to 6 lbs.	Brass, "	8 75	8 00
583	$\frac{1}{4}$ oz. to 10 lbs.	Tin, "	10 00	8 75
585	$\frac{1}{4}$ oz. to 10 lbs.	Brass, "	11 00	9 75
584	$\frac{1}{4}$ oz. to 16 lbs.	Tin, "	12 75	11 00
586	$\frac{1}{4}$ oz. to 16 lbs.	Brass, "	14 25	12 50
588	$\frac{1}{4}$ oz. to 26 lbs.	Tin, "	20 75	17 50
590	$\frac{1}{4}$ oz. to 26 lbs.	Brass, "	23 25	20 00



## TRIP SCALES WITH TWO PLATES

### EVEN ENDS

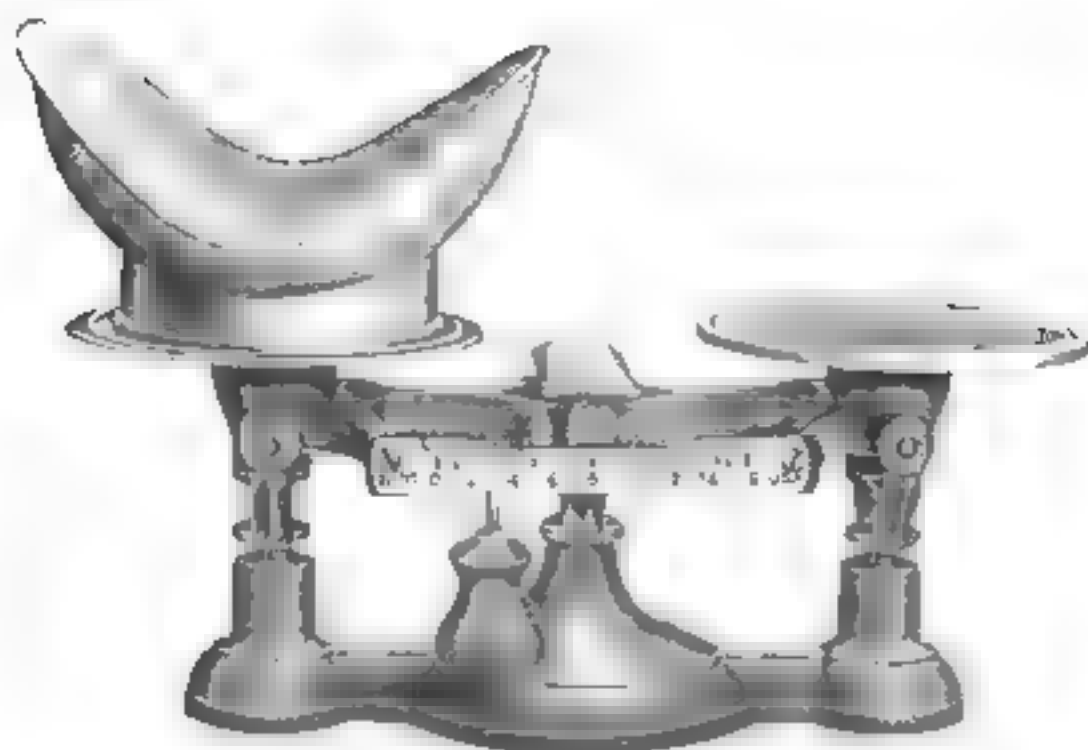
Bright vermilion finish.

The above scales will be furnished with agate bearings at an additional price of \$5.00 each.

Scales will be sent with weights unless otherwise ordered.

No.	Capacity	Scoop	Price with Weights	Price without Weights
592	$\frac{1}{4}$ oz. to 2 lbs.	Tin, seamless	\$ 6 50	\$ 5 50
594	$\frac{1}{4}$ oz. to 2 lbs.	Brass, "	7 50	6 50
596	$\frac{1}{4}$ oz. to 6 lbs.	Tin, "	8 00	6 50
598	$\frac{1}{4}$ oz. to 6 lbs.	Brass, "	9 00	7 50
599	$\frac{1}{4}$ oz. to 10 lbs.	Tin, "	10 00	8 00
601	$\frac{1}{4}$ oz. to 10 lbs.	Brass, "	11 00	9 00
600	$\frac{1}{4}$ oz. to 16 lbs.	Tin, "	12 75	10 00
602	$\frac{1}{4}$ oz. to 16 lbs.	Brass, "	14 25	11 50
604	$\frac{1}{4}$ oz. to 26 lbs.	Tin, "	20 75	17 50
606	$\frac{1}{4}$ oz. to 26 lbs.	Brass, "	23 75	20 00





## TRIP SCALES WITH TWO PLATES

EVEN ENDS

WITH BRASS SIDE BEAM

Bright vermilion finish.

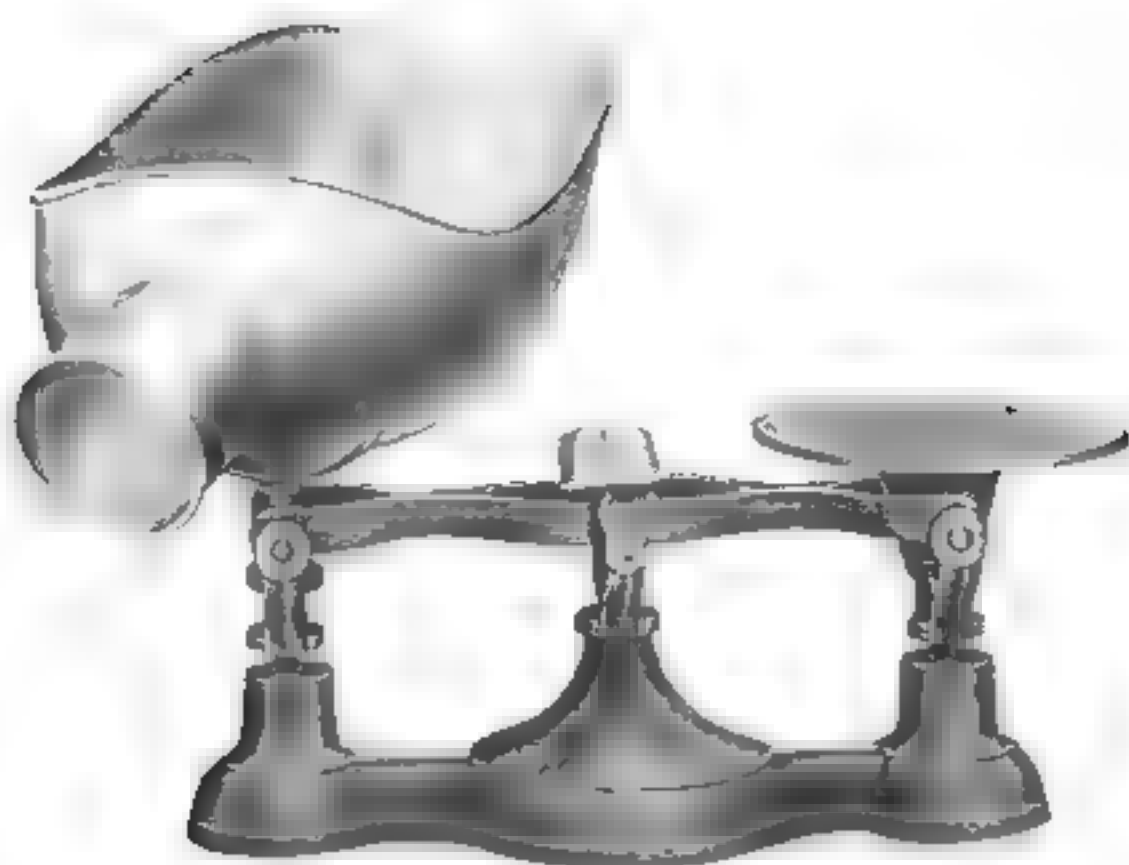
The above scales will be furnished with agate bearings at an additional price of \$5.00 each.

Scales will be sent with weights unless otherwise ordered.

No.	Capacity	Scoop	Price with Weights	Price without Weights
591	$\frac{1}{4}$ oz. to 2 lbs.	Tin, seamless	\$ 7 00	\$ 6 50
593	$\frac{1}{4}$ oz. to 2 lbs.	Brass, "	8 00	7 50
595	$\frac{1}{4}$ oz. to 6 lbs.	Tin, "	8 75	8 00
597	$\frac{1}{4}$ oz. to 6 lbs.	Brass, "	9 75	9 00
603	$\frac{1}{4}$ oz. to 10 lbs.	Tin, "	11 00	9 75
605	$\frac{1}{4}$ oz. to 10 lbs.	Brass, "	12 00	10 75
609	$\frac{1}{4}$ oz. to 16 lbs.	Tin, "	13 75	12 00
611	$\frac{1}{4}$ oz. to 16 lbs.	Brass, "	15 25	13 50
613	$\frac{1}{4}$ oz. to 26 lbs.	Tin, "	21 75	18 50
615	$\frac{1}{4}$ oz. to 26 lbs.	Brass, "	24 25	21 00

### SPECIAL HEAVY TRIP SCALE

No. 607.—Two 12-inch iron plates. Brass side beam, 2	
pounds in $\frac{1}{4}$ -ounce marks. 50 pounds capacity.....	\$ 28 00
Above scale galvanized.....	32 00



## EVEN-BALANCE SCALES

WITH FUNNEL SCOOP

WITHOUT SIDE BEAM

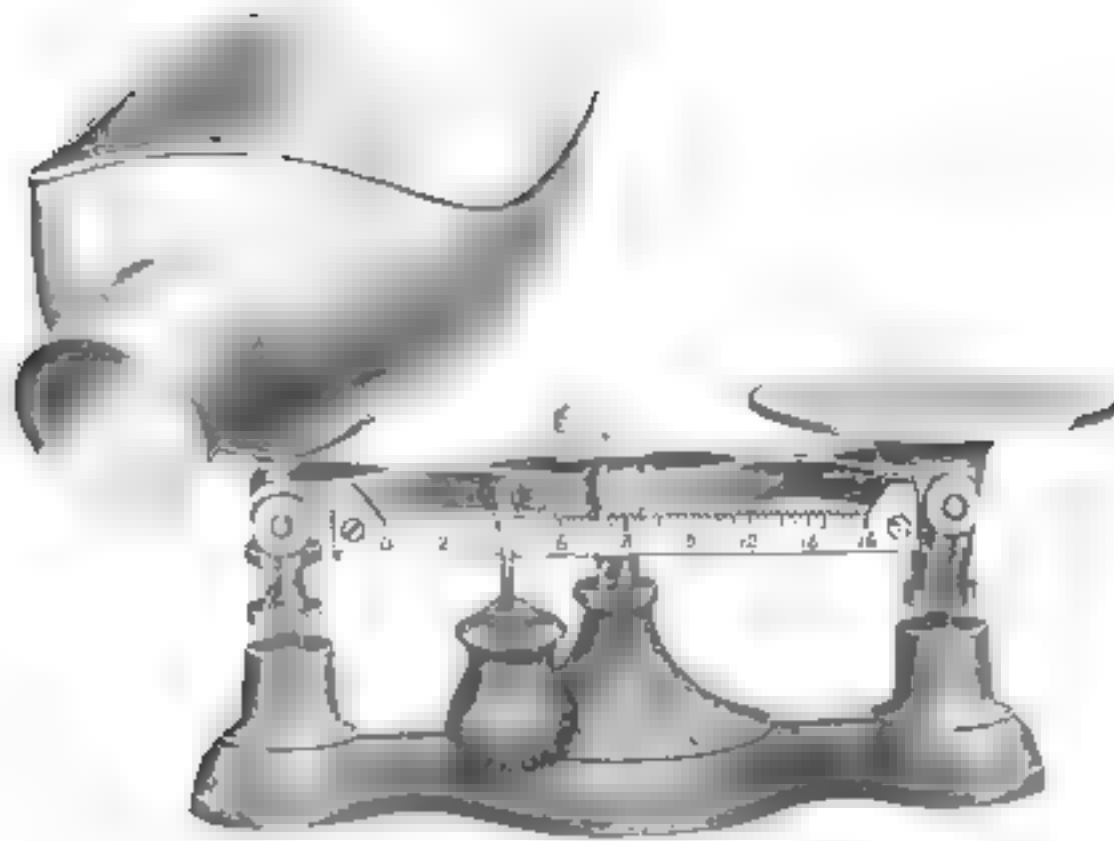
Bright vermilion finish.

These scales will be furnished with agate bearings at an additional price of \$5.00 each.

Scales will be sent with weights unless otherwise ordered.

No.	Capacity	Scoop	Price with Weights	Price without Weights
900	$\frac{1}{4}$ oz. to 2 lbs	Tin, seamless	\$ 6 25	\$ 5 25
901	$\frac{1}{4}$ oz. to 2 lbs.	Brass, "	7 50	6 50
902	$\frac{1}{4}$ oz. to 6 lbs.	Tin, "	7 75	6 25
903	$\frac{1}{4}$ oz. to 6 lbs.	Brass, "	9 00	7 50
904	$\frac{1}{4}$ oz. to 10 lbs.	Tin, "	9 75	7 75
905	$\frac{1}{4}$ oz. to 10 lbs.	Brass, "	11 00	9 00
906	$\frac{1}{4}$ oz. to 16 lbs.	Tin, "	12 75	10 50
907	$\frac{1}{4}$ oz. to 16 lbs.	Brass, "	14 75	12 00
908	$\frac{1}{4}$ oz. to 26 lbs.	Tin, "	20 25	16 25
909	$\frac{1}{4}$ oz. to 26 lbs.	Brass, "	23 25	19 25





## EVEN-BALANCE SCALES

WITH FUNNEL SCOOP

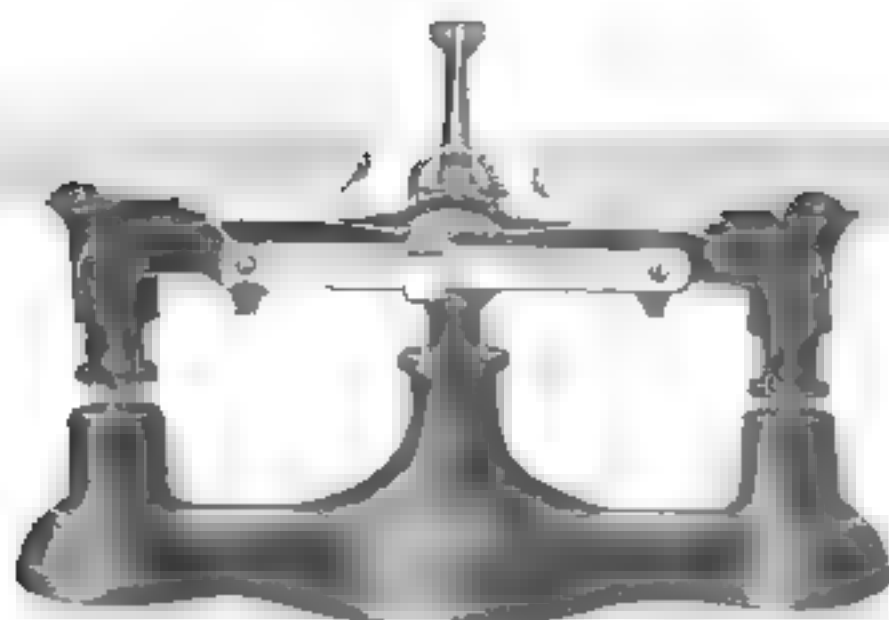
WITH BRASS SIDE BEAM

Bright vermilion finish.

These scales will be furnished with agate bearings at an additional price of \$5.00 each.

Scales will be sent with weights unless otherwise ordered.

No.	Capacity	Scoop	Price with Weights	Price without Weights
910	$\frac{1}{4}$ oz. to 2 lbs.	Tin, seamless	\$ 6 75	\$ 6 25
911	$\frac{1}{4}$ oz. to 2 lbs.	Brass, "	8 00	7 50
912	$\frac{1}{4}$ oz. to 6 lbs.	Tin, "	8 50	7 75
913	$\frac{1}{4}$ oz. to 6 lbs.	Brass, "	9 75	9 00
914	$\frac{1}{4}$ oz. to 10 lbs.	Tin, "	10 75	9 50
915	$\frac{1}{4}$ oz. to 10 lbs.	Brass, "	12 00	10 75
916	$\frac{1}{4}$ oz. to 16 lbs.	Tin, "	13 75	12 00
917	$\frac{1}{4}$ oz. to 16 lbs.	Brass, "	15 75	14 00
918	$\frac{1}{4}$ oz. to 26 lbs.	Tin, "	22 00	18 75
919	$\frac{1}{4}$ oz. to 26 lbs.	Brass, "	25 00	21 75



## LABORATORY TRIP SCALES

This scale is in general use for laboratory work, especially in universities and colleges. It is most carefully made and is sensitive, accurate and durable. Beam is marked to 10 grams in decigram divisions. The scale has a balance adjustment and indicator. The plates are 6 inch square opal glass and the scale proper is finished in black enamel, ornamented. All brass parts are nickel plated.

For agate bearings add to list \$5.00.

No.	Capacity	Price without Weights
820	1 kilo x decigram	\$7 50

Set Iron Nest Weights, hexagonal pattern, 1 kilo to 5 grams.

Price extra..... \$1 25

Set Iron Nest Weights, hexagonal pattern, 500 grams to 5 grams

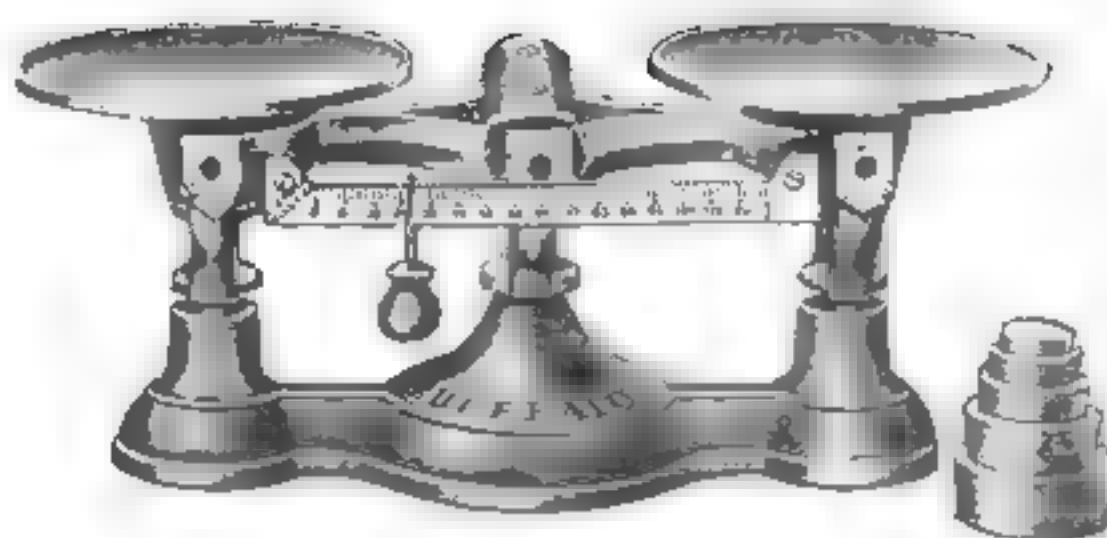
Price extra... 1 00

Set Brass Knob Weights, in open block, 1 kilo to 5 grams.

Price extra... 4 50

Set Brass Knob Weights, in open block, 500 grams to 1 gram.

Price extra..... 3 50



## SILK TRIP SCALES

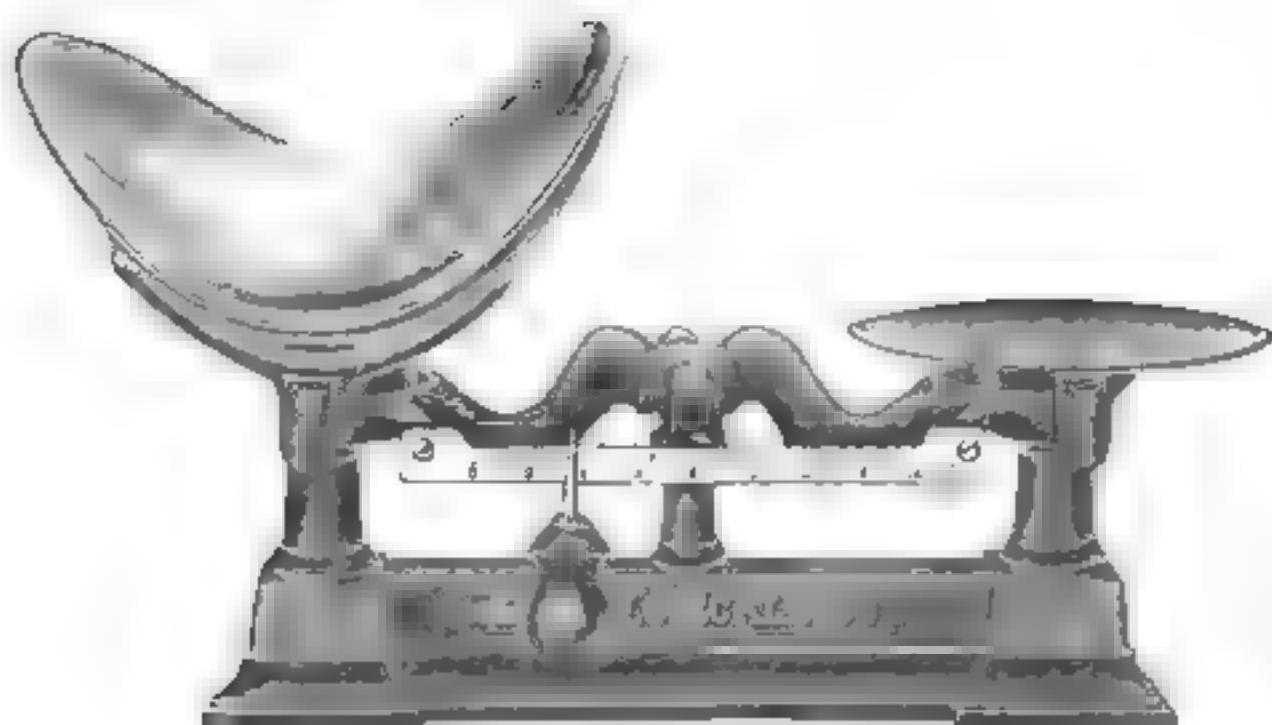
This scale is designed for very fine work and is used for many purposes beside the weighing of silk.

It has two iron plates  $5\frac{3}{8}$  inches in diameter. The side beam has a capacity of 1 ounce by 128th of an ounce, but may be furnished in 100ths of an ounce, if so ordered.

This scale will be furnished with agate bearings at an additional cost of \$5.00 each.

No.	Capacity	Price
813	2 lbs. x $\frac{1}{128}$ oz. without scoop	\$14 00
815	2 lbs. x $\frac{1}{128}$ oz. with brass seamless scoop	16 00





## IMPROVED EVEN-BALANCE SCALES

WITH BRASS SIDE BEAM

Extra finish, black and gold.

Two plates, flat-bottom scoop and balance weight \$1.00 extra.

Scales will be sent with weights unless otherwise ordered.

No	Capacity	Scoop	Price with Weights	Price without Weights
632	$\frac{1}{4}$ oz. to 4 lbs.	Tin, seamless	\$ 6 00	\$5 50
634	$\frac{1}{4}$ oz. to 4 lbs.	Brass, "	6 75	6 25
636	$\frac{1}{4}$ oz. to 8 lbs.	Tin, "	7 00	6 25
638	$\frac{1}{4}$ oz. to 8 lbs.	Brass, "	7 75	7 00
640	$\frac{1}{4}$ oz. to 16 lbs.	Tin, "	10 00	7 25
642	$\frac{1}{4}$ oz. to 16 lbs.	Brass, "	11 00	8 25



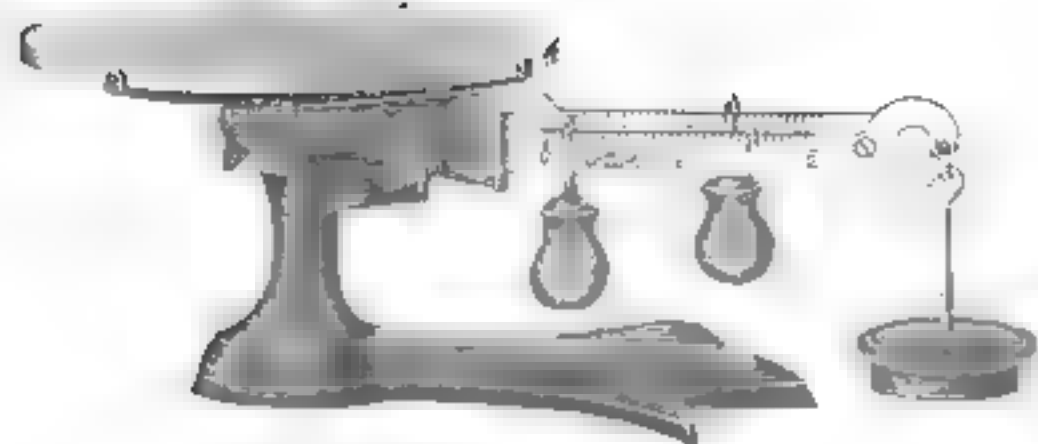
## BUTTER TRIP SCALES

WITH PORCELAIN PLATE

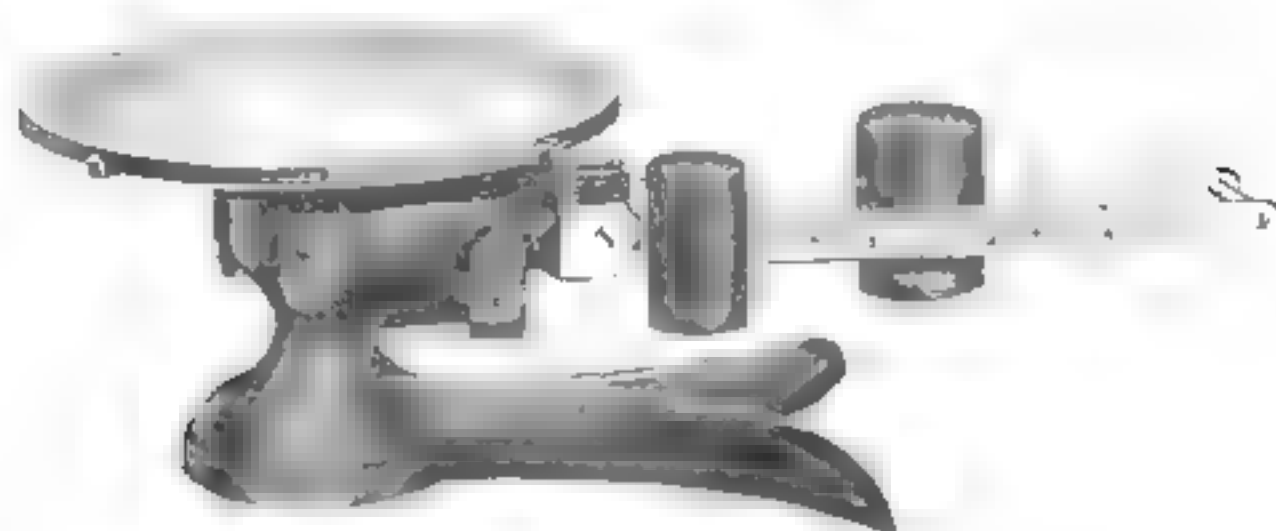
This class of scale is made especially for weighing butter and salt meats. Furnished with agate bearings at \$5.00 extra. Nickel plated all over, not polished, \$3.00.

Scales will be sent with weights unless otherwise ordered.

No.	Capacity	Beam	Plate	Price with Weights	Price without Weights
644	$\frac{1}{4}$ oz. to 2 lbs.	Without side beam	7 ins.	\$ 6 50	\$ 5 50
646	$\frac{1}{4}$ oz. to 2 lbs.	With " "	7 ins.	7 00	6 50
648	$\frac{1}{4}$ oz. to 6 lbs.	Without " "	8 ins.	8 00	6 50
650	$\frac{1}{4}$ oz. to 6 lbs.	With " "	8 ins.	8 75	8 00
652	$\frac{1}{4}$ oz. to 10 lbs.	Without " "	10 ins.	10 00	8 00
654	$\frac{1}{4}$ oz. to 10 lbs.	With " "	10 ins.	11 00	9 75
656	$\frac{1}{4}$ oz. to 20 lbs.	Without " "	13 ins.	14 00	11 25
658	$\frac{1}{4}$ oz. to 20 lbs.	With " "	13 ins.	15 00	13 25
660	$\frac{1}{4}$ oz. to 26 lbs.	Without " "	13 ins.	20 75	17 50
662	$\frac{1}{4}$ oz. to 26 lbs.	With " "	13 ins.	23 25	20 00



No. 664-674



No. 675-679

## MEAT AND BUTTER SCALES

WITH TEN-INCH PORCELAIN PLATE

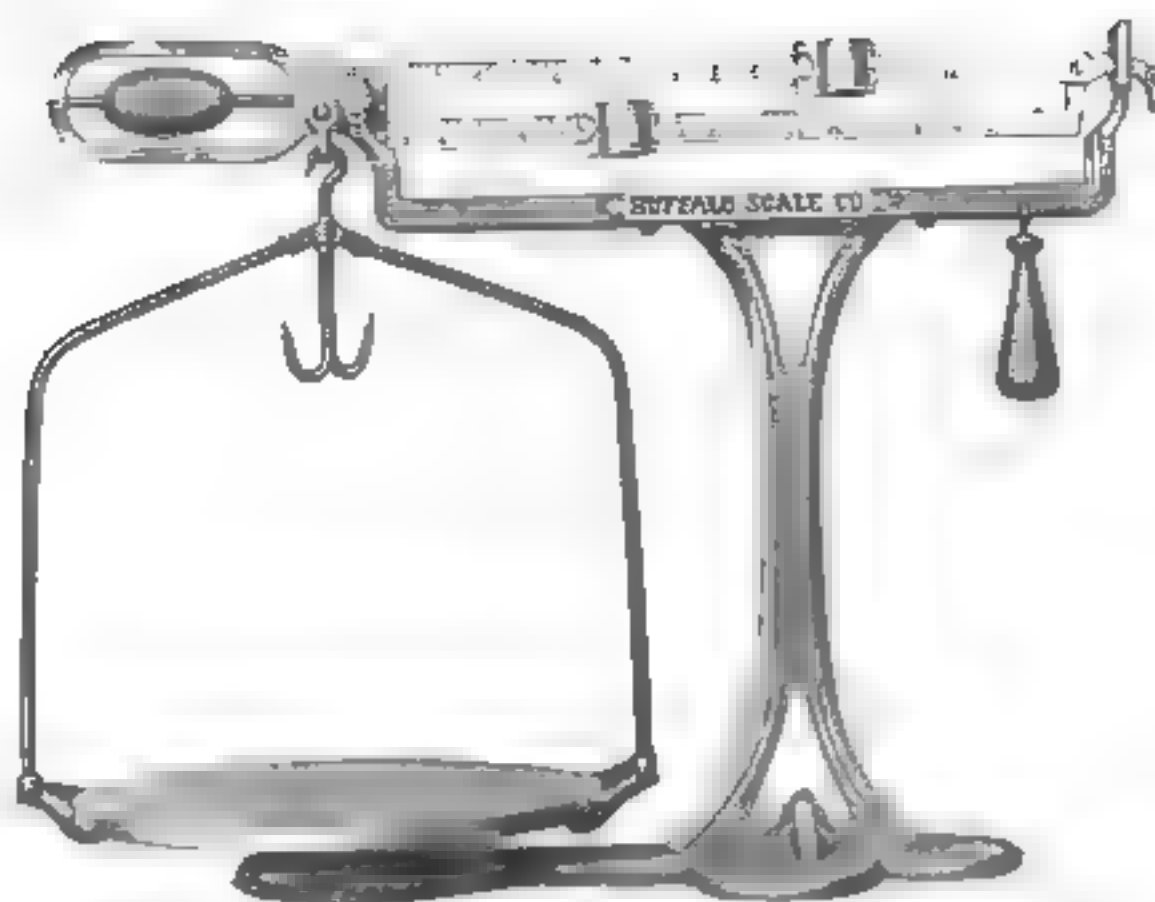
This scale is handsomely finished in black and gold. Furnished with agate bearings at \$5.00 extra. Galvanized to prevent rust, \$3.00 extra.

No.	Capacity	Beam	Price
664	$\frac{1}{2}$ oz. to 62 lbs.	With single beam	\$12 75
666	$\frac{1}{2}$ oz. to 62 lbs.	With double beam	13 75
668	$\frac{1}{2}$ oz. to 22 lbs.	With single beam	10 50
670	$\frac{1}{2}$ oz. to 22 lbs.	With double beam	11 50
672	$\frac{1}{2}$ oz. to 10 lbs.	With single beam	9 50
674	$\frac{1}{2}$ oz. to 10 lbs.	With double beam	10 50

Full capacity, double beam, no loose weights.

No.	Capacity	Price
675	$\frac{1}{2}$ oz. to 12 lbs.	\$13 50
679	1 oz. to 24 lbs.	14 50





## BOSTON MARKET SCALES

Bright vermilion finish. Double beam. Marble slab, either dark or light.

Can be hung on a bracket at same price. Beam, poises and bows brass, nickel plated. Beam marked on both sides.

The above scales will be furnished with agate bearings for beam at an additional price of \$3.00, and a complete set for beam and loop, \$5.00 extra.

### WITH HOOKS

No.	Capacity	Slab	Price
681	30 lbs. by 1 oz.	15 inches diameter	\$26 00
683	60 lbs. by 1 oz.	15 " "	27 00

### WITHOUT HOOKS

680	30 lbs. by 1 oz.	15 inches diameter	\$24 00
682	60 lbs. by 1 oz.	15 " "	25 00



## SUSPENSION BUTTER SCALES

Double beam. No loose weights. Portable pattern.

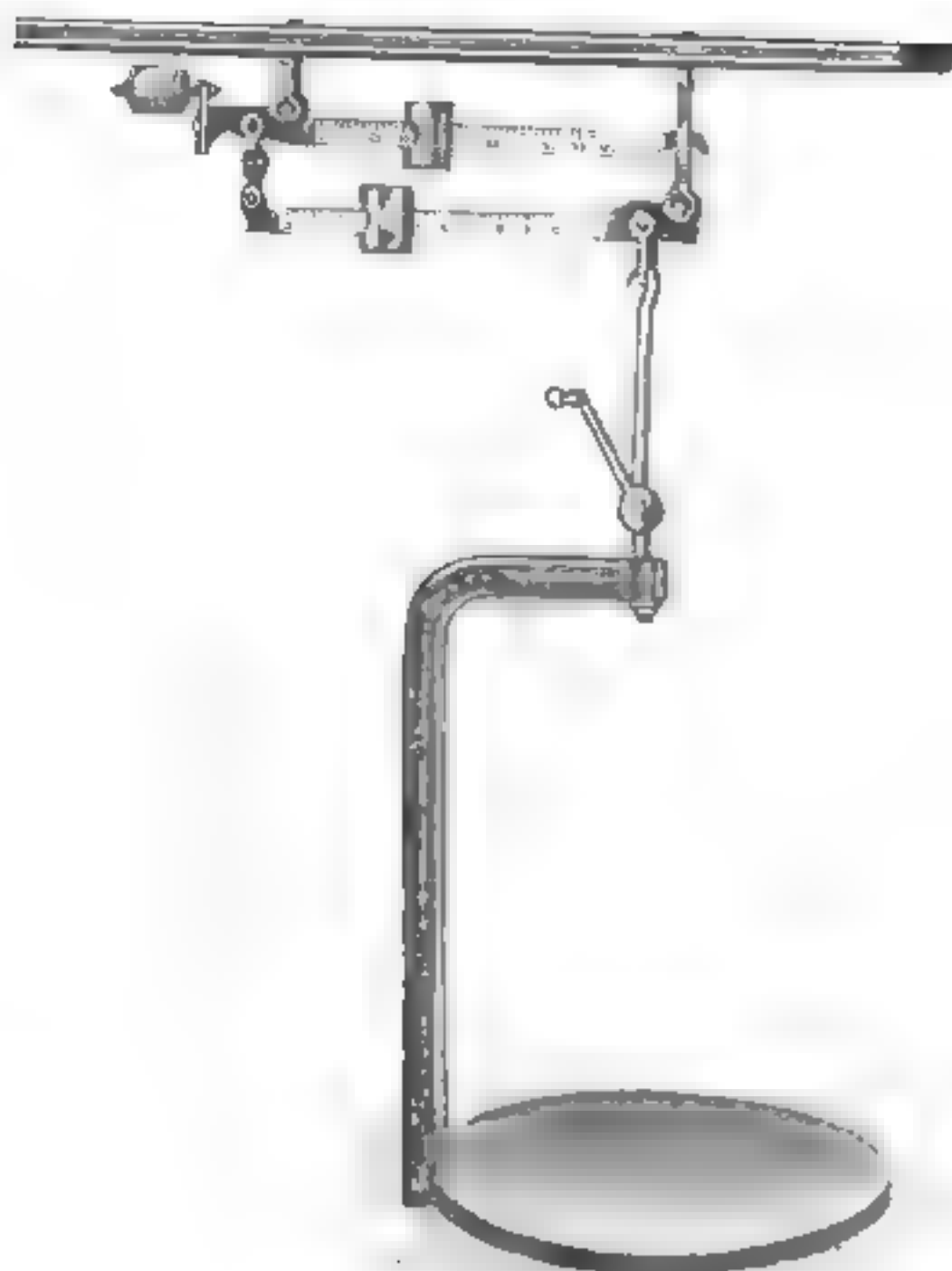
This scale is particularly adapted for weighing tubs of butter and cheese. All the pivots, bearings and working parts of the scales are above the platform, and thus entirely out of the way of the salt and moisture. The platform is fitted with a relieving device, putting the strain on the scales only when in use.

### WITH WHEELS

No.	Capacity	Platform Diameter	Price
688	115 lbs. by 1 oz.	20 inches	\$40 00
690	215 lbs. by 1 oz.	20 "	42 00

### WITHOUT WHEELS

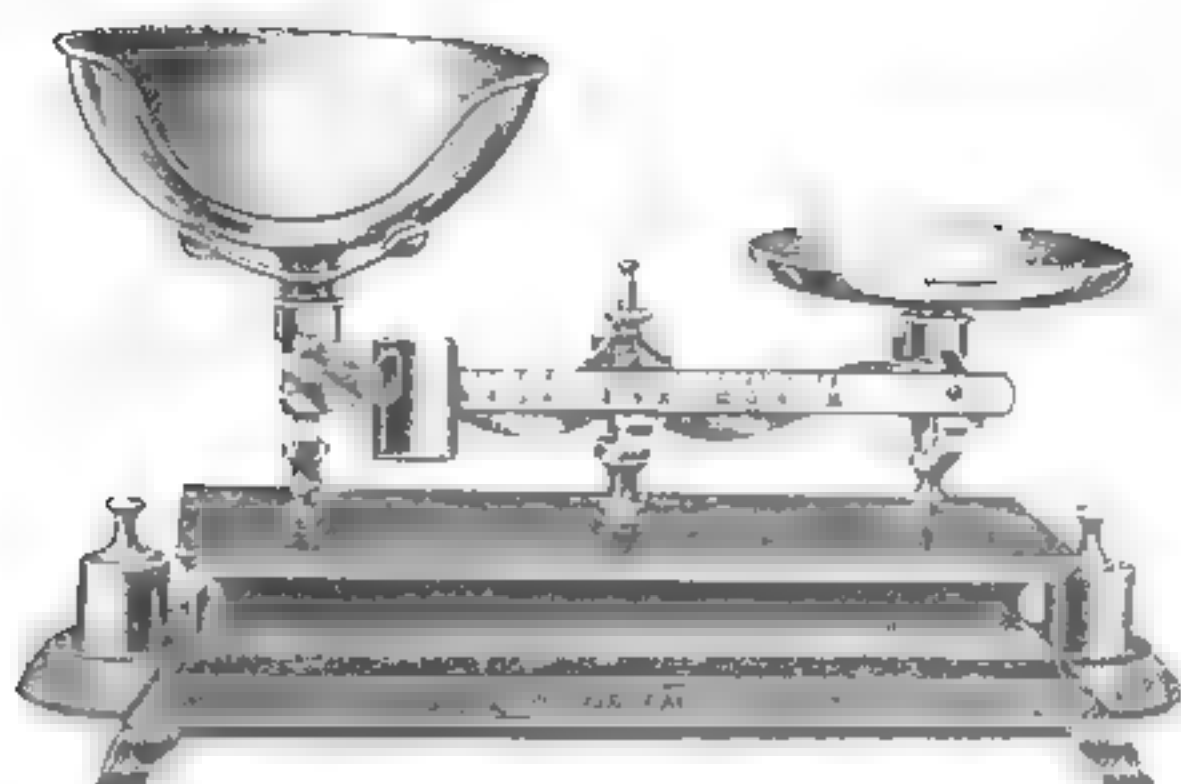
684	115 lbs. by 1 oz.	20 inches	\$36 00
686	215 lbs. by 1 oz.	20 "	38 00



## SUSPENSION CREAMERY SCALES

This scale is intended to be used same as scale on page 31, but is suspended in permanent place. No. 691 has bracket and rod, and is complete, ready to fasten to post. No. 692 is furnished with wood cap.

No.	Capacity	Price
691	110 lbs. by 1 oz.	\$33 00
692	110 lbs. by 1 oz.	30 00



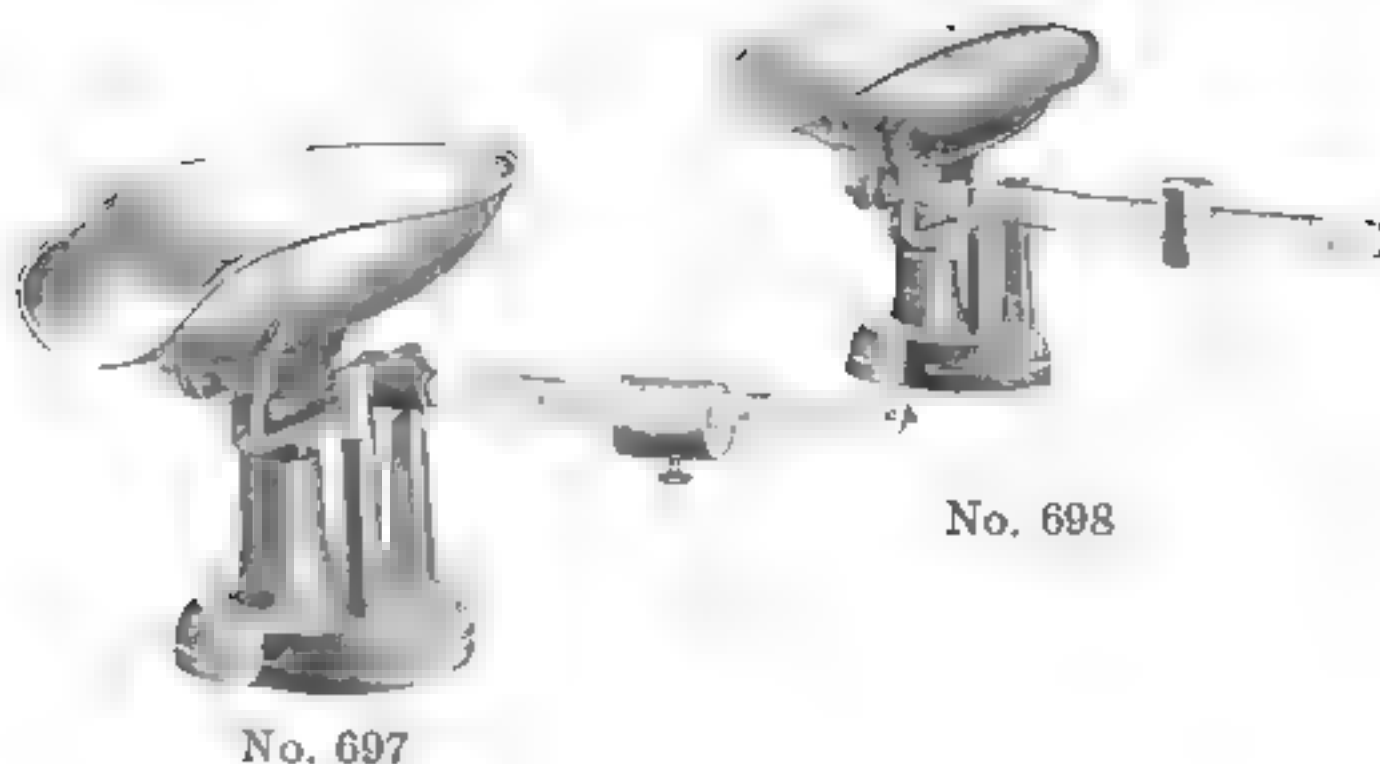
## CONFECTIONERS' SCALES

Upper parts brass, nickel plated. Marbleized base; ebonized base if desired. Rubber-tipped scoop fork.

These scales will be furnished with agate bearings at an additional price of \$5.00.

No.	Capacity	Beam	Price
694	3 lbs. by $\frac{1}{2}$ oz.	With side beam	\$35 00
695	3 lbs. by $\frac{1}{2}$ oz.	Without side beam	35 00

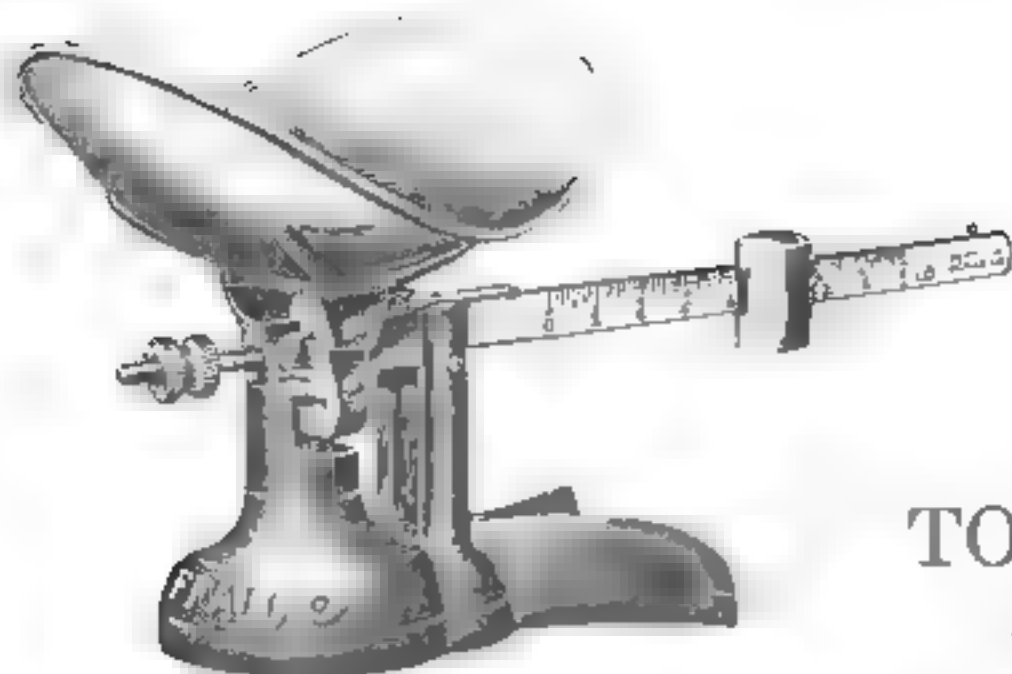




## CANDY SCALES

There are no loose weights required with these scales, and they are especially desirable for weighing candy. Handsomely finished in black and gold. The 2 and 4-pound sizes are furnished with round-pattern candy scoops. The 4-pound size has double beam

No.	Capacity	Price
696	$\frac{1}{4}$ oz. to 4 lbs.	\$10 00
697	$\frac{1}{4}$ oz. to 2 lbs.	8 00
698	$\frac{1}{4}$ oz. to 1 lb.	Nickel { 4 50
699	$\frac{1}{4}$ oz. to 1 lb.	plated { 7 50



## TOBACCO SCALES

WITH BRASS SCOOP

Same scale with iron plate and brass scoop having ring under it, 50 cents extra.

No.	Capacity	Price
704	$\frac{1}{4}$ oz. to 1 lb.	Nickel { \$5 50
706	$\frac{1}{4}$ oz. to 1 lb.	plated { 8 75



## SEED SCALES

WITH BRASS SCOOP

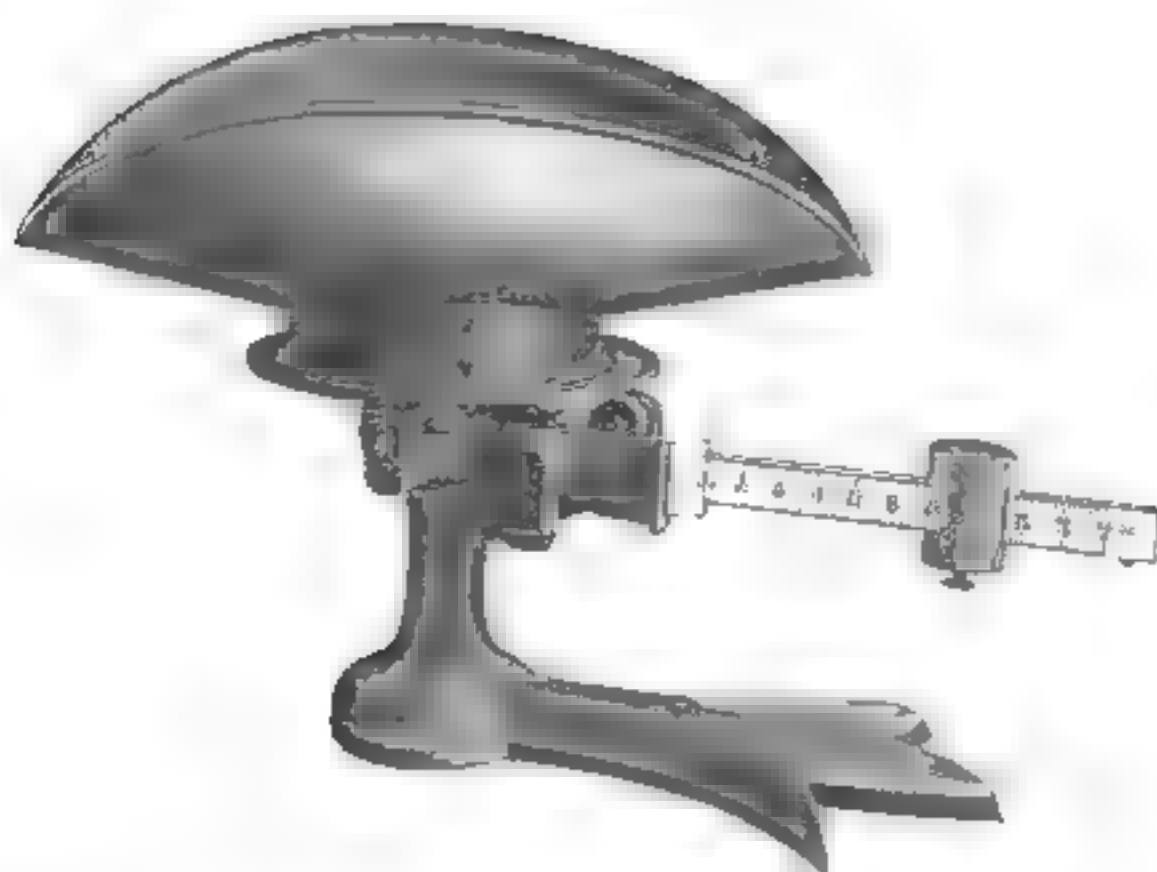
Scale No. 710 is especially designed for ascertaining the percentage of dirt in seed.

The beam has two rows of marks, the upper indicating the weight, 1 lb. by  $\frac{1}{4}$  ounces; the lower row, the percentage graduations 100 to 0.

In use, a sample pound is weighed, sifted and replaced in the scoop. The poise is then run back until the beam balances. The lower row of marks shows the percentage of loss by dirt removed.

No.	Capacity	Price
708	$\frac{1}{16}$ oz. to 1 lb. Avoirdupois graduation	\$6 00
710	$\frac{1}{4}$ oz. to 1 lb. Percent. graduation	6 00

Sieves for above, net \$2.00.



## MOISTURE SCALES

This scale is used in smelting plants for ascertaining the percentage of moisture in ores. Its capacity is 50 ounces by  $\frac{1}{2}$ -ounce graduations. The beam has two rows of marks, the upper indicating the weight as above stated; the lower row of marks is the percentage graduation and reads from 100 to 0.

In use a sample of ore is weighed, after which it is thoroughly dried and re-weighed, when by means of the lower row of marks the exact percentage of loss may be instantly determined.

No.	Capacity	Scoop	Price
711	50 oz. x $\frac{1}{2}$ oz.	Tin, seamless	\$10 00

Extra for brass scoop, \$1.00.

## PULP SCALES

Similar in construction to the Moisture Scale described above, but without scoop. The Iron Plate is six inches in diameter.

No.	Capacity		Price
713	16 oz. x $\frac{1}{4}$ oz.	Without Scoop	\$10 00

## GLASS BLOWERS' SCALES

Similar in construction to Moisture Scale described above, but without scoop. The Iron Plate is eight inches in diameter.

No.	Capacity		Price
715	2 lbs. x $\frac{1}{4}$ oz.	Without Scoop	\$10 00



## DRUGGIST SCALES

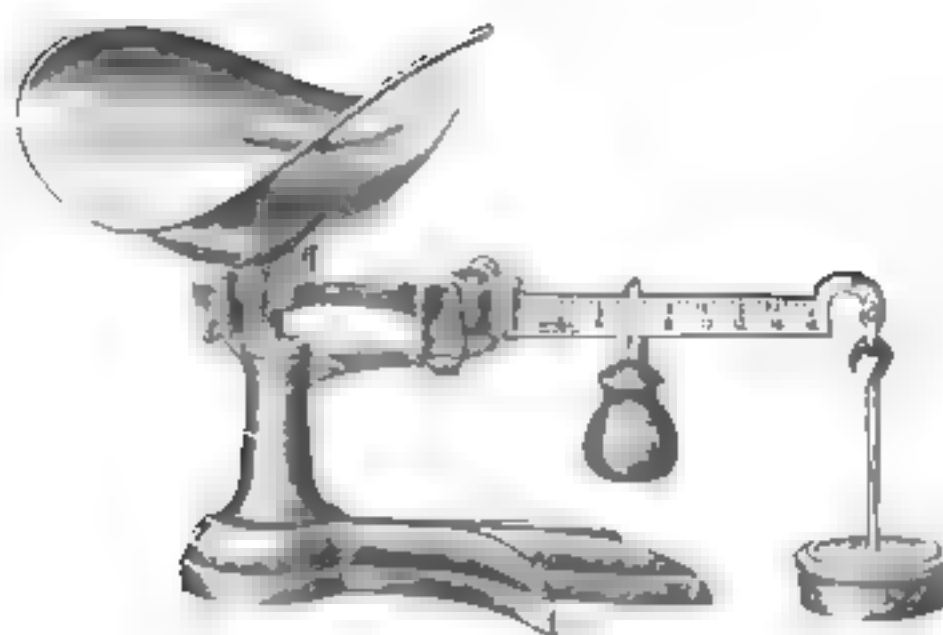
This scale has but 4 ounces on the beam and is graduated to  $\frac{1}{16}$  of an ounce, making it very sensitive

No.	Capacity	Beam	Scoop	Price
716	$\frac{1}{16}$ oz. to 8 lbs.	Single	Tin, seamless	\$10 00
718	$\frac{1}{16}$ oz. to 8 lbs.	Single	Brass, "	11 00
720	$\frac{1}{16}$ oz. to 8 lbs.	Double	Tin, "	11 00
722	$\frac{1}{16}$ oz. to 8 lbs.	Double	Brass, "	12 00

Tin funnel scoop for this scale, \$0.75 extra.

Brass funnel scoop for this scale, \$1.00 extra.





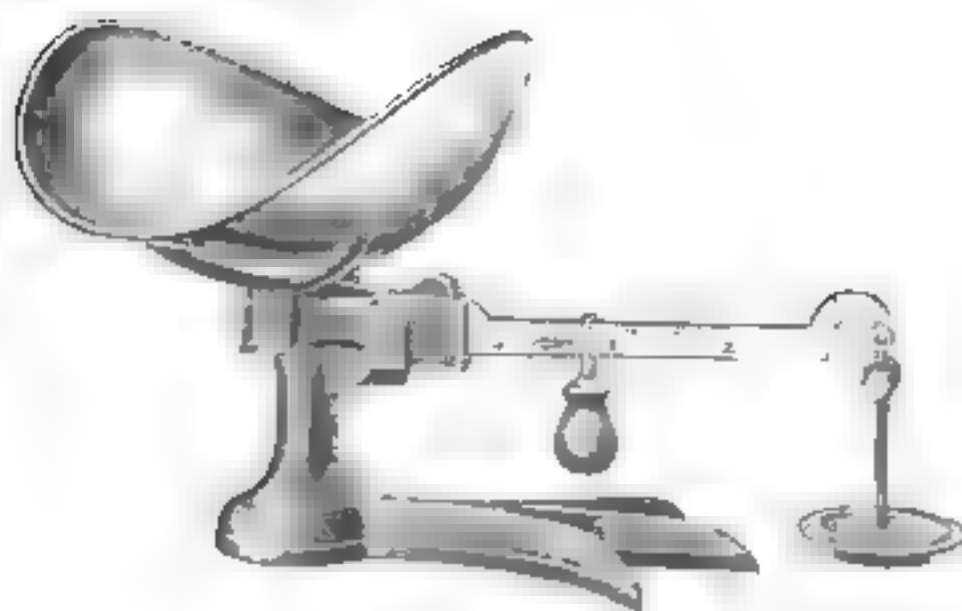
## TEA SCALES

This scale has a capacity on beam of 16 ounces and is graduated to  $\frac{1}{4}$  of an ounce. No small loose weights.

No.	Capacity	Beam	Scoop	Price
724	$\frac{1}{3}$ oz. to 10 lbs.	Single	Tin, seamless	\$ 8 00
726	$\frac{1}{4}$ oz. to 10 lbs.	Single	Brass, "	9 00
728	$\frac{1}{4}$ oz. to 10 lbs.	Double	Tin, "	9 00
730	$\frac{1}{4}$ oz. to 10 lbs.	Double	Brass, "	10 00

Tin funnel scoop for this scale, \$0.75 extra.

Brass funnel scoop for this scale, \$1.00 extra.



## COUNTER SCALES

The beam is in  $\frac{1}{2}$ -ounce graduations to 2 pounds. The double beam has a capacity of 4 pounds on beam.

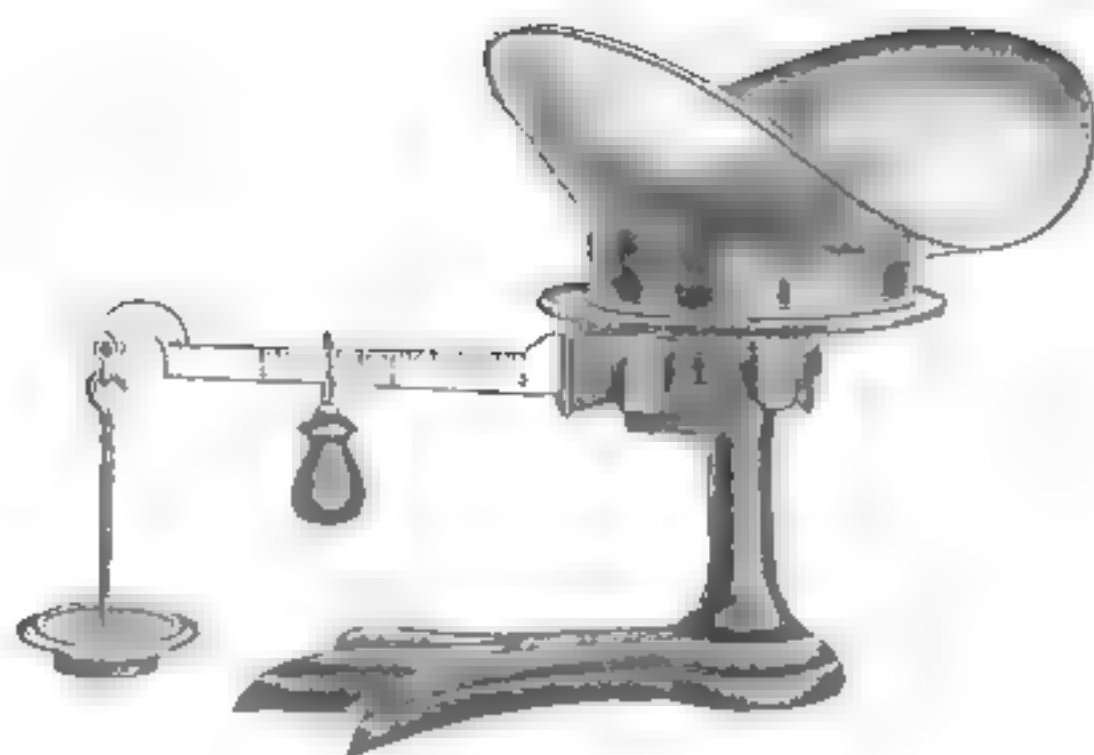
No.	Capacity	Scoop	Price
734	$\frac{1}{2}$ oz. to 36 lbs.	Tin, seamless	\$10 00
736	$\frac{1}{2}$ oz. to 36 lbs.	Brass, "	11 50
746	$\frac{1}{16}$ oz. to 36 lbs.	Iron plate, no scoop	9 50

### DOUBLE BEAM

738	$\frac{1}{2}$ oz. to 36 lbs.	Tin, seamless	\$11 00
740	$\frac{1}{2}$ oz. to 36 lbs.	Brass, "	12 50
742	$\frac{1}{16}$ oz. to 36 lbs.	Tin, "	12 00
744	$\frac{1}{16}$ oz. to 36 lbs.	Brass, "	13 50

Tin funnel scoop for this scale, \$1.00 extra.

Brass funnel scoop for this scale, \$1.50 extra.



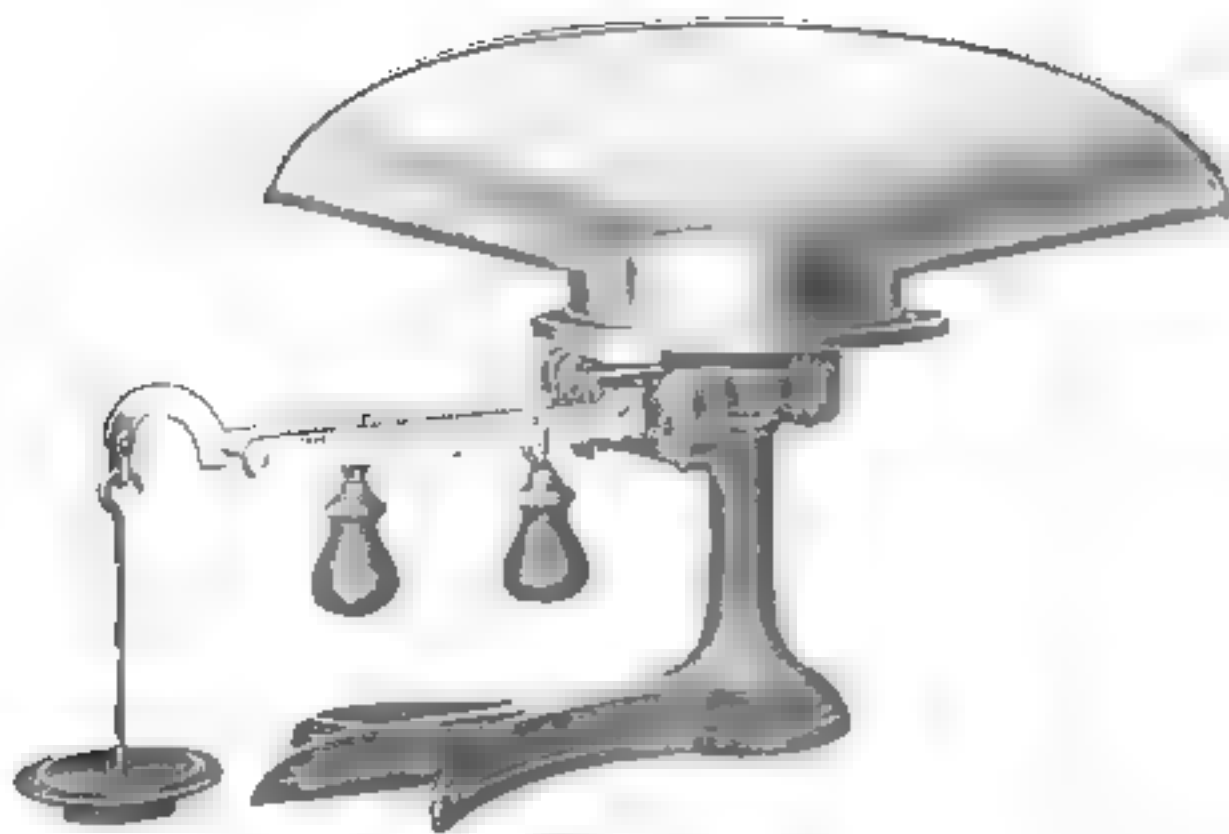
## GROCER SCALES

Especially designed for weighing groceries. Capacity on beam 2 pounds by  $\frac{1}{2}$  of an ounce. No small loose weights.

No.	Capacity	Scoop	Price
748	$\frac{1}{2}$ oz. to 62 lbs.	Tin, seamless	\$12 00
750	$\frac{1}{2}$ oz. to 62 lbs.	Brass, " "	13 50
752	$\frac{1}{2}$ oz. to 62 lbs.	Without scoop	10 75

Tin funnel scoop for this scale, \$1.00 extra.

Brass funnel scoop for this scale, \$1.50 extra.



## DOUBLE-BEAM GROCER SCALES

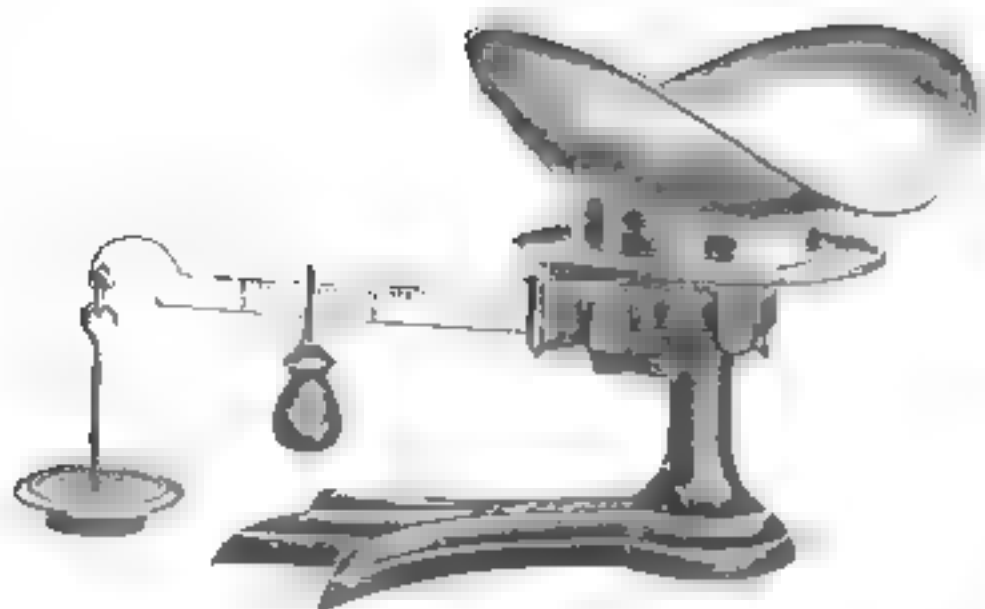
Each beam has a capacity of 2 pounds by  $\frac{1}{2}$  of an ounce. No small loose weights.

No.	Capacity	Scoop	Price
754	$\frac{1}{2}$ oz. to 62 lbs.	Tin, seamless	\$13 00
756	$\frac{1}{2}$ oz. to 62 lbs.	Brass, " "	14 50
758	$\frac{1}{2}$ oz. to 62 lbs.	Without scoop	11 75

Tin funnel scoop for this scale, \$1.00 extra.

Brass funnel scoop for this scale, \$1.50 extra.





## SPICE SCALES

Capacity on beam 2 pounds by  $\frac{1}{2}$  of an ounce. No small loose weights.

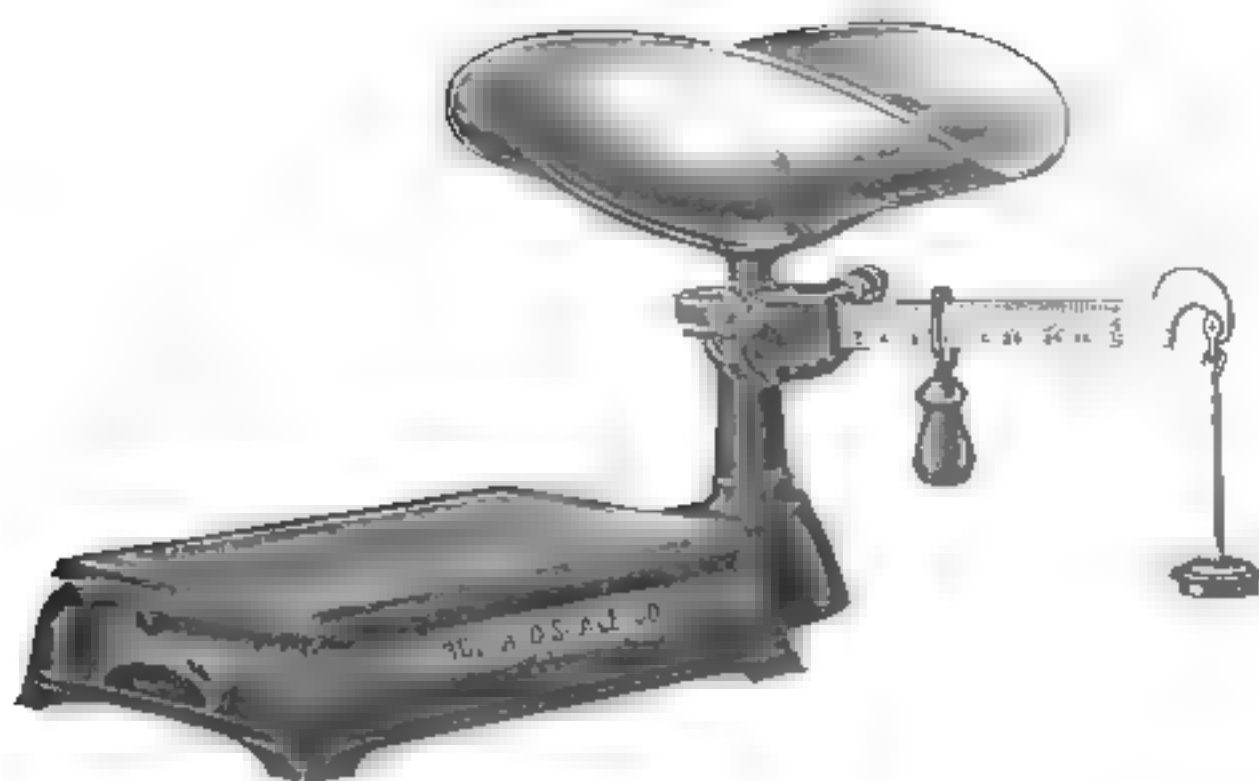
No.	Capacity	Scoop	Price
760	$\frac{1}{2}$ oz. to 36 lbs.	Tin, seamless	\$10 00
762	$\frac{1}{2}$ oz. to 36 lbs.	Brass, " "	11 00

### DOUBLE BEAM

764	$\frac{1}{2}$ oz. to 36 lbs.	Tin, seamless	\$11 00
766	$\frac{1}{2}$ oz. to 36 lbs.	Brass, " "	12 00

Tin funnel scoop for this scale, \$1.00 extra.

Brass funnel scoop for this scale, \$1.50 extra.



## UNION SCALES

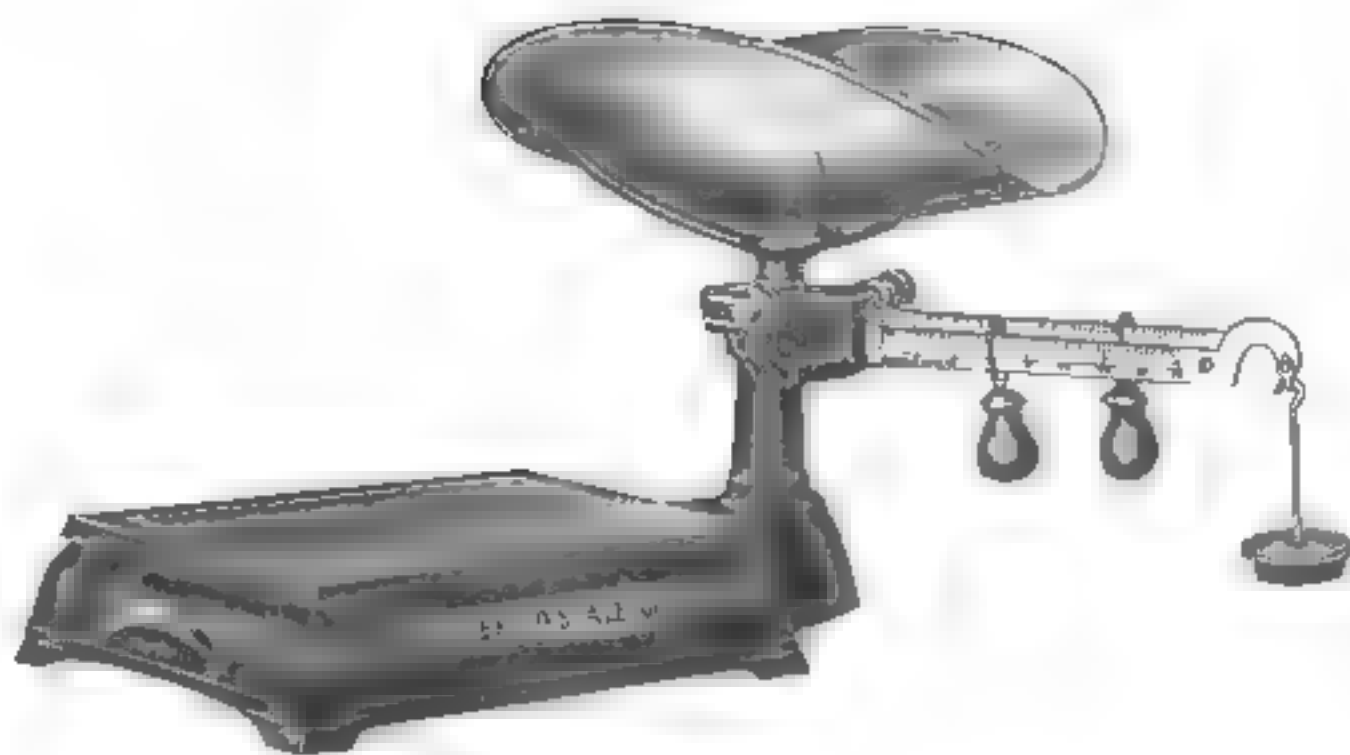
This is a very convenient scale for all kinds of counter use.

Platform 10 by 13 $\frac{3}{4}$  inches. Weighs from  $\frac{1}{2}$  of an ounce to 32 pounds in scoop and to 245 pounds on platform.

No.	Capacity	Scoop	Price
768	$\frac{1}{2}$ oz. to 245 lbs.	Tin, seamless	\$14 00
770	$\frac{1}{2}$ oz. to 245 lbs.	Brass, "	15 00

Tin funnel scoop for this scale, \$1.00 extra.

Brass funnel scoop for this scale \$1.50 extra.



## DOUBLE-BEAM UNION SCALES

Platform is 10 by 13 $\frac{3}{4}$  inches. Weighs from  $\frac{1}{2}$  of an ounce to 32 pounds in scoop and to 245 pounds on platform

No.	Capacity	Scoop	Price
772	$\frac{1}{2}$ oz. to 245 lbs.	Tin, seamless	\$15 00
774	$\frac{1}{2}$ oz. to 245 lbs.	Brass, " "	16 00

Tin funnel scoop for this scale, \$1.00 extra.

Brass funnel scoop for this scale, \$1.50 extra.



## IMPROVED UNION SCALES

### WITH TWO PLATFORMS

Platform 10 by 13 $\frac{3}{4}$  inches. Weighs from  $\frac{1}{2}$  of an ounce to 32 pounds in scoop and to 245 pounds on platform.

No.	Capacity	Scoop	Price
776	$\frac{1}{2}$ oz. to 245 lbs.	Tin, seamless	\$14 50
778	$\frac{1}{2}$ oz. to 245 lbs.	Brass, " "	15 50

Tin funnel scoop for this scale, \$1.00 extra.

Brass funnel scoop for this scale, \$1.50 extra.





## DOUBLE-BEAM IMPROVED UNION SCALES

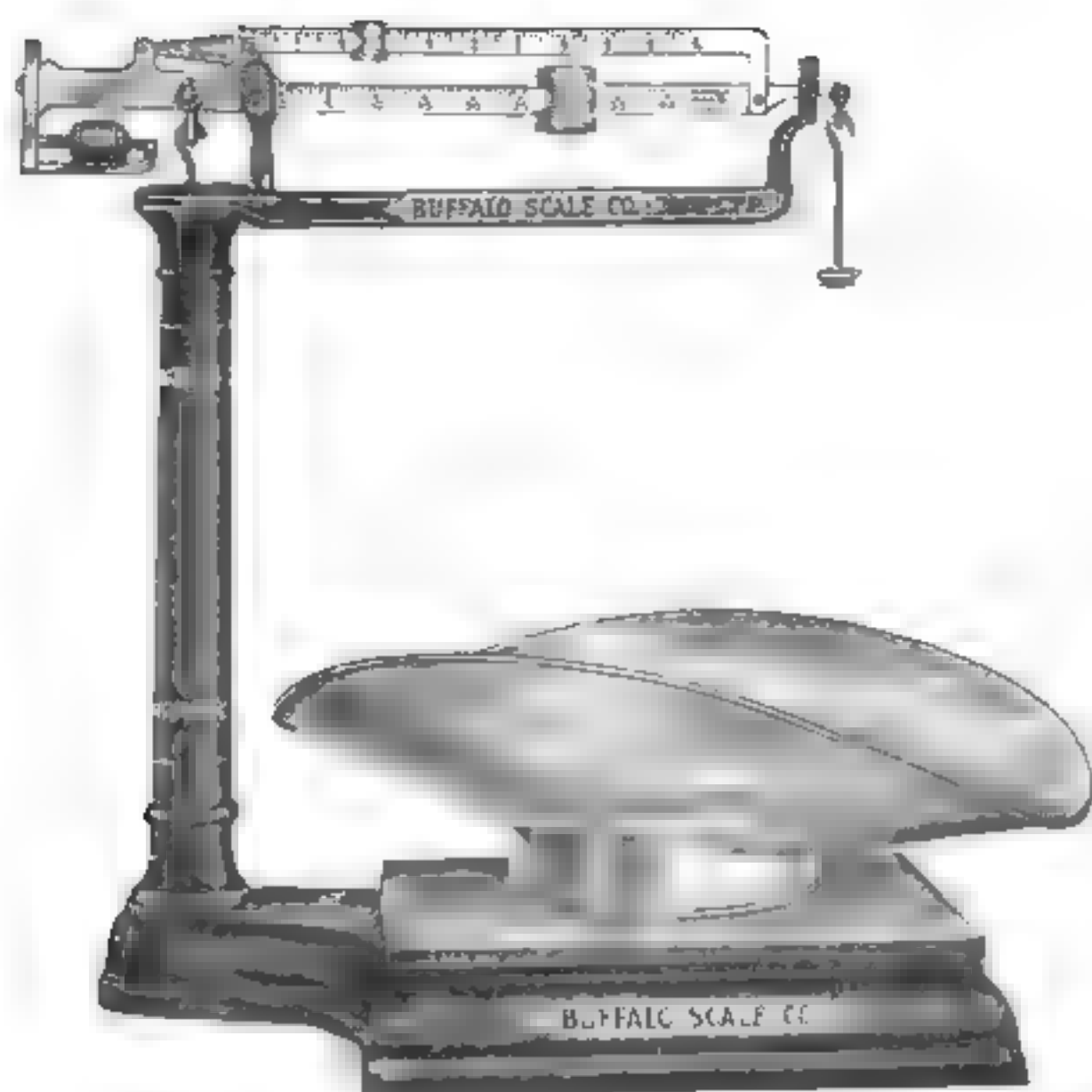
WITH TWO PLATFORMS

Platform 10 by 13 $\frac{3}{4}$  inches. Weighs from  $\frac{1}{2}$  of an ounce to 32 pounds in scoop and to 245 pounds on platform

No	Capacity	Scoop	Price
780	$\frac{1}{2}$ oz. to 245 lbs.	Tin, seamless	\$15 50
782	$\frac{1}{2}$ oz. to 245 lbs.	Brass, " "	16 50

Tin funnel scoop for this scale, \$1.00 extra.

Brass funnel scoop for this scale, \$1.50 extra.



## BOSTON PLATFORM SCALES

Nickel plated beam and poises. Double beam, marked on both sides. Beautifully finished.

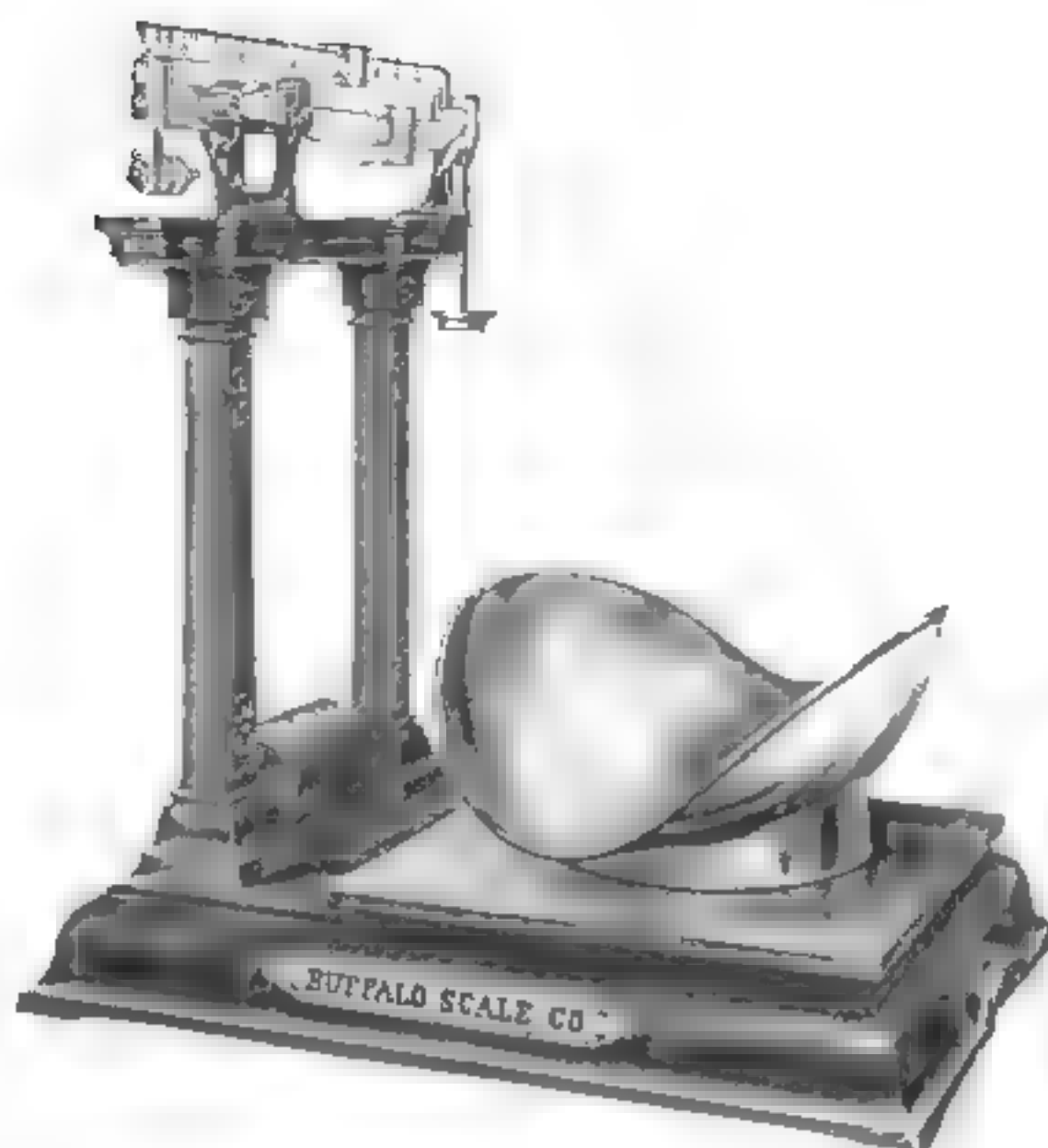
A very convenient, accurate and durable counter scale of simple design. The beam and supporting arm can be set as shown or at right angles with platform.

It is finished in black and gold. Has patent scoop-balancing latch, nickel plated beam, the upper bar of which is graduated to weigh 10 pounds by ounce marks, the lower bar 40 pounds by  $\frac{1}{2}$ -pound marks.

Height over all, 25 inches. Size of platform, 10 by  $13\frac{1}{2}$  inches. Capacity 250 pounds by 1 ounce.

No.	Scoop	Price
794	Large seamless tin scoop	\$24 00
796	Large seamless brass scoop	25 00
678	Marble slab, but no scoop	24 00

Agate bearings for beam, \$3.00 extra.



## NIAGARA COUNTER SCALES

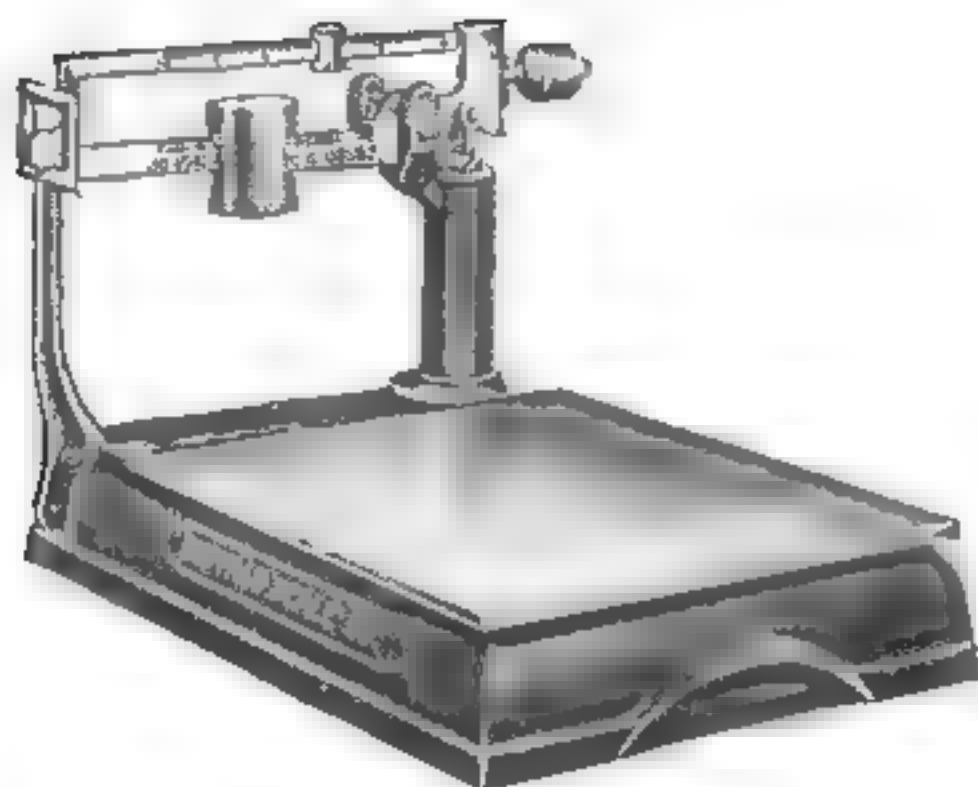
High beam counter scales, which are now a necessity in almost every store, were originated by the Buffalo Scale Company over 35 years ago. The first requirement in a scale of this type is simplicity of construction. Every additional bearing means additional friction and decreased accuracy, ultimately, if not at once. With this fact kept in mind, we have produced in the Niagara, our latest design, an exceptionally sensitive, durable scale. Its appearance, too, has received careful consideration, and, from an artistic point, is most satisfactory. The finish is black and gold.

The Niagara has a large platform,  $12\frac{3}{4}$  by  $13\frac{3}{4}$  inches. The beam and poises are nickel plated. The beam is short and acts quickly. The upper bar will weigh 10 pounds by 1-ounce marks; the lower bar 25 pounds by  $\frac{1}{4}$ -pound marks. The total capacity, 255 pounds, is made up by loose weights. Height over all is 24 inches.

No.	Scoop	Price
797	Large seamless tin scoop	\$25 00
799	Large seamless brass scoop	27 00
677	Marble slab but no scoop	25 00

Extra list for agate bearings for beam, \$3.00.

No. 801. When a particularly elegant scale is desired, the Niagara is furnished with agate bearings for beam, suspended bearings under platform, nickel plated brass scoop and nickel plated weights, counterpoise and weight rack. Enameled in dark green, rubbed very smooth and decorated in gold leaf, \$50.00.

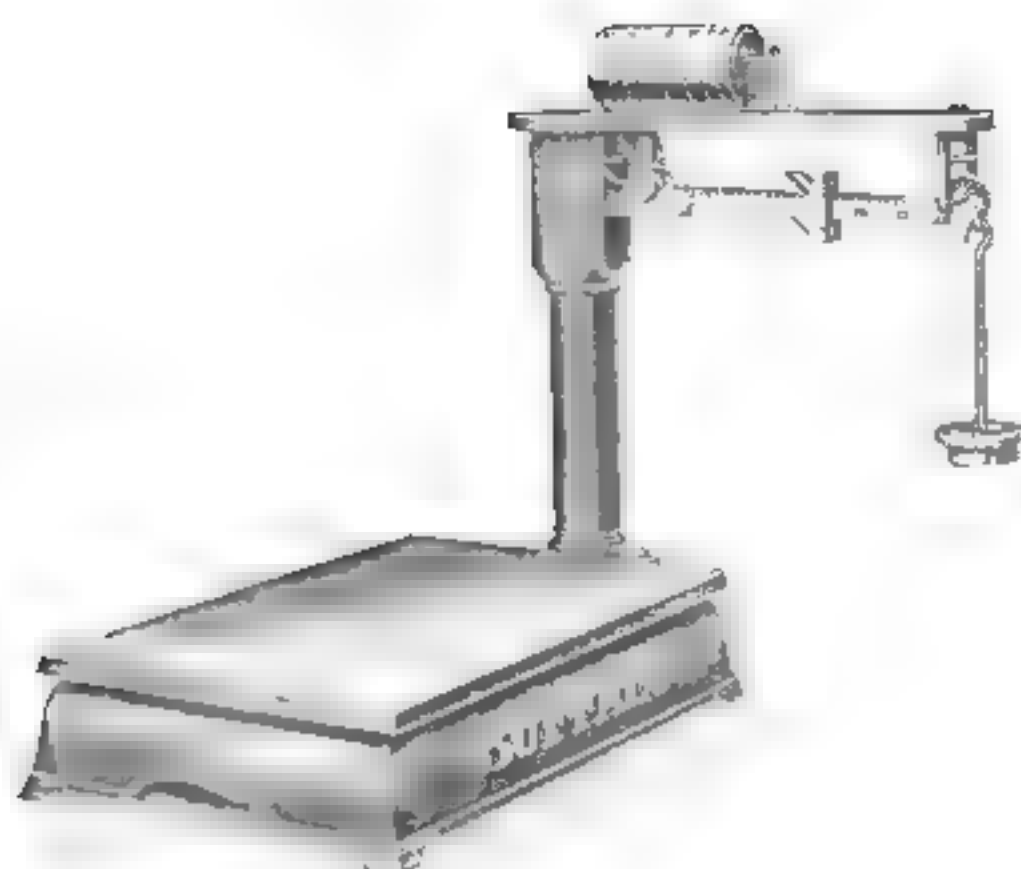


## EXPRESS PACKAGE SCALES

No loose weights.

Upper bar is marked to 5 pounds in 1-ounce notches. Lower bar 1-pound notches to 50 pounds.

No.	Capacity	Platform	Price
800	1 oz. to 55 lbs.	10 ½ x 12 inches	\$15 00



## COUNTER PLATFORM SCALES

WITH IRON PILLAR AND SLIDING BRASS POISE

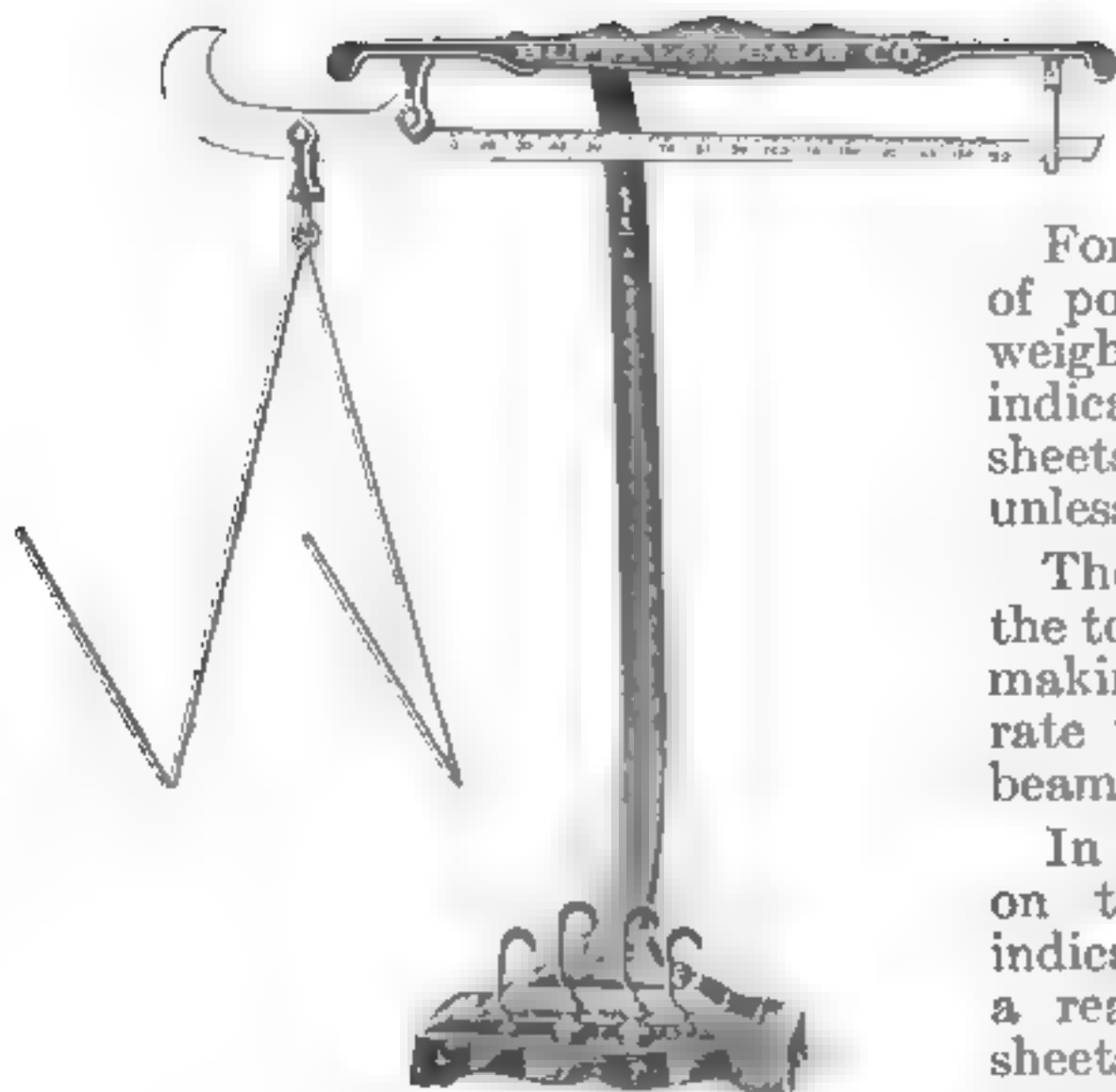
No.	Capacity	Pillar	Height	Platform	Price
802	250 lbs. by 1 oz.	Short	12 $\frac{3}{4}$ inches	10 $\frac{1}{2}$ x 14 $\frac{1}{2}$ inches	\$16 00
804	300 lbs. by 2 oz.	Short	15 $\frac{1}{2}$ inches	13 $\frac{1}{2}$ x 19 "	19 00
806	300 lbs. by 2 oz.	High	32 $\frac{1}{2}$ inches	13 $\frac{1}{2}$ x 19 "	21 00

## BULLION SCALES—TROY WEIGHT

This scale is especially designed for weighing silver bullion and is handsomely finished, with brass poise, weights and counterpoise.

No.	Capacity	Platform	Price
808	3200 oz. by $\frac{1}{4}$ oz.	13 $\frac{1}{2}$ x 19 inches	\$50 00





## PAPER SCALE WITH STAND

For determining the number of pounds to the ream by the weight of one sheet. Weights indicating 480 sheets and 500 sheets to the ream furnished unless otherwise ordered.

These beams are notched on the top and have hanging poises, making them much more accurate than the ordinary smooth beam with sliding poise.

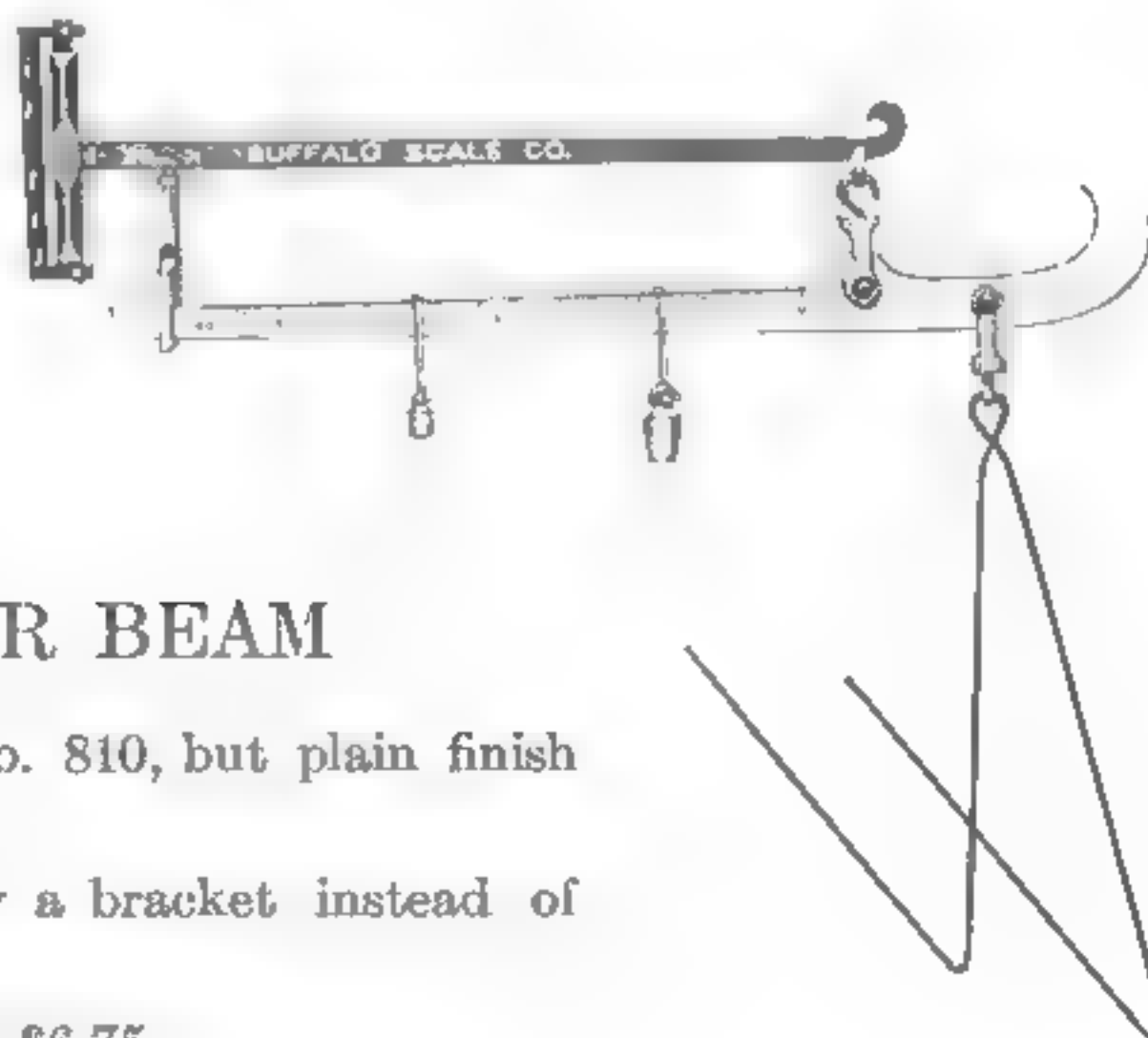
In use, a single sheet is placed on the scale and the result indicates the number of pounds a ream of either 480 or 500 sheets will weigh.

The side of the beam ordinarily used is marked 160 and is called the "heavy" side.

The other side of beam, marked 40, is used when weighing very light sheets and is called the "light" side.

When weighing on the "heavy" side of beam, the larger poises, either the 480 or the 500, are used. When weighing on the "light" side, the smaller poises, 480 or 500, are used.

No. 810. Price \$15.00.

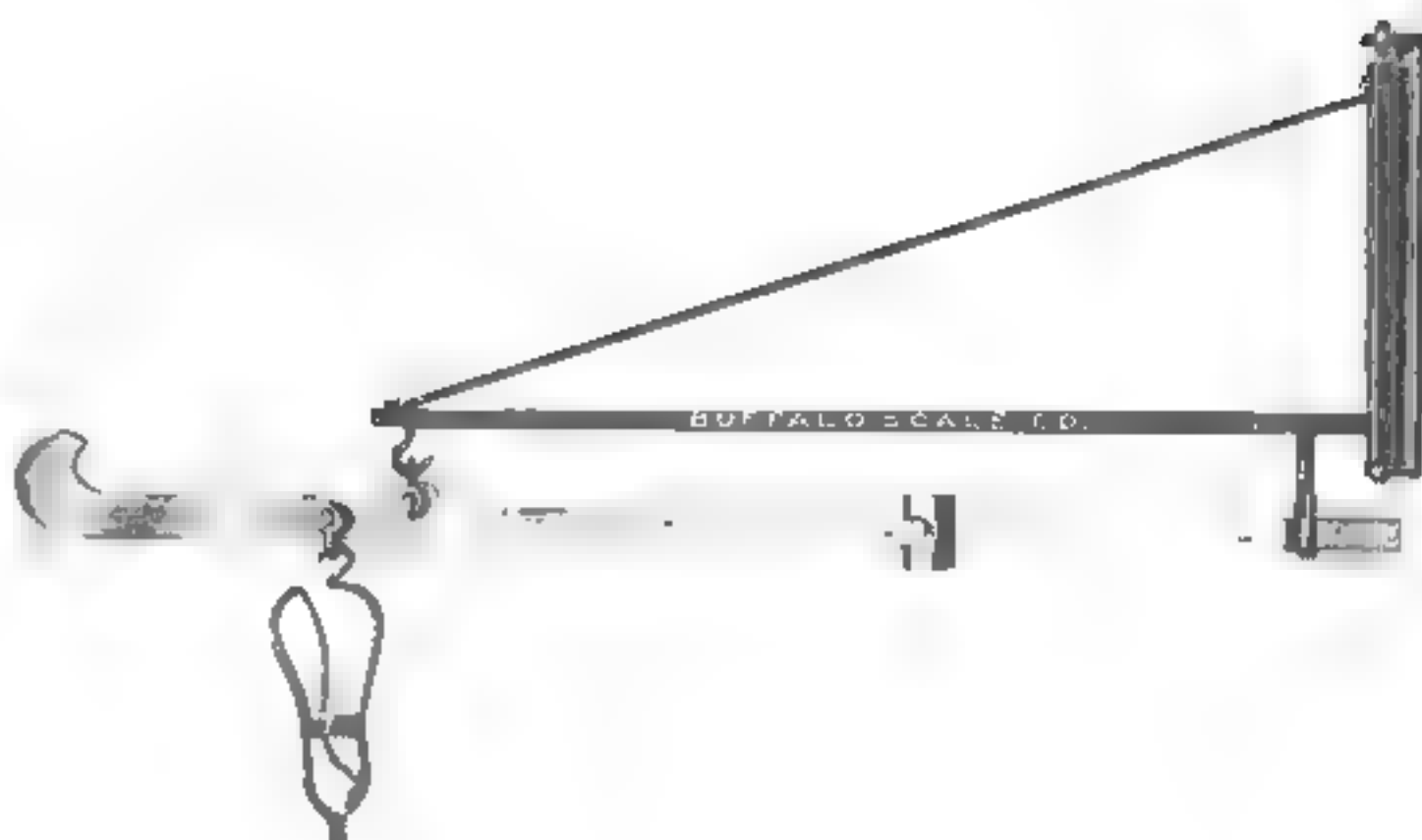


## PAPER BEAM

Similar to No. 810, but plain finish throughout.

Supported by a bracket instead of stand.

No. 812, price \$6.75.



## PAPER BOARD BEAMS

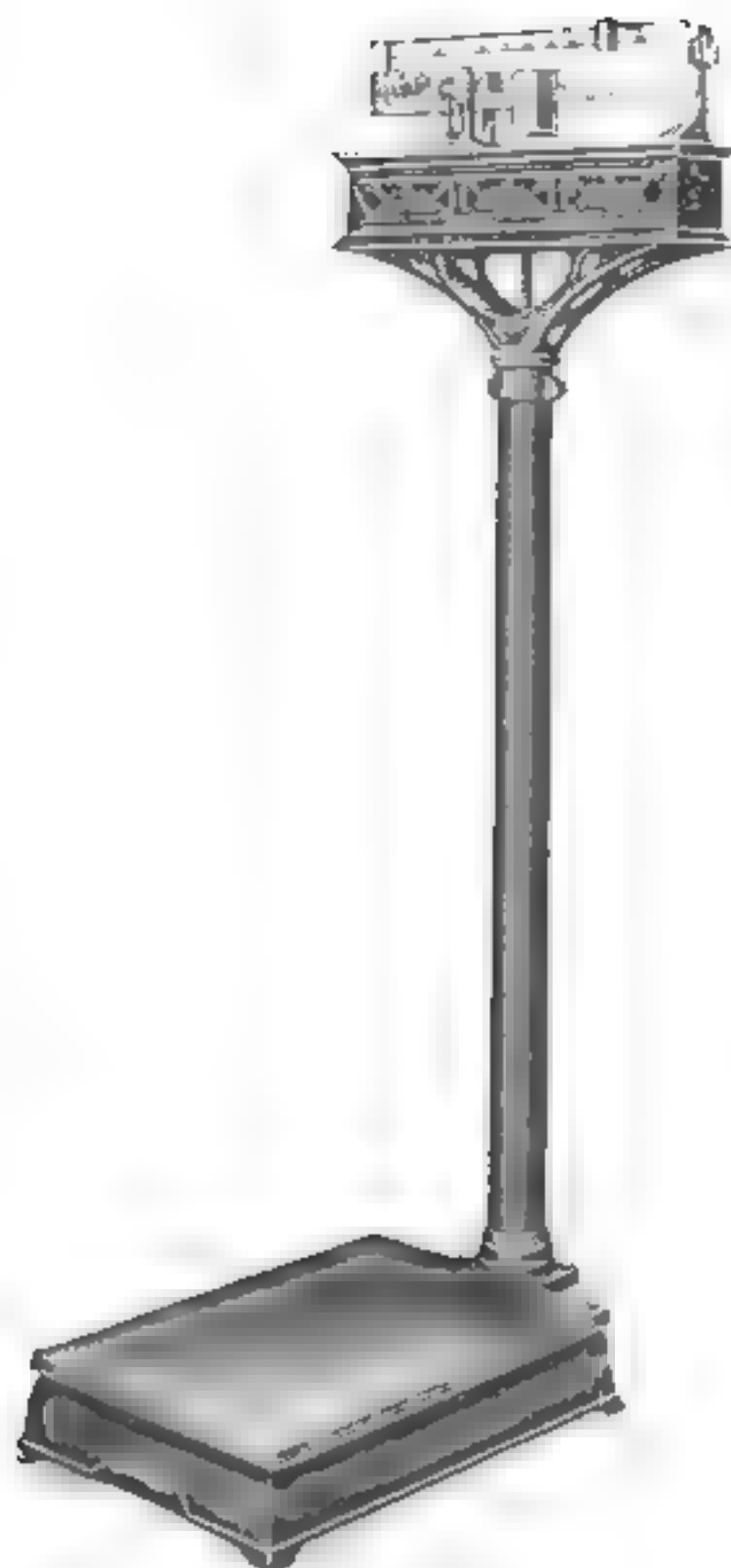
This beam is used to determine the number of sheets of pasteboard in a 50-pound bundle, by weighing a single sheet.

Beam No. 809 is graduated to indicate from 10 to 45 sheets in single sheet marks, from 45 to 100 in 5 sheet marks, from 100 to 200 in 25 sheet marks and from 200 to 400 in 100 sheet marks.

Beam No. 811 is double the length of the above described beam and is graduated from 10 to 100 in single sheet marks and from 100 to 125 in 5 sheet marks.

We have also furnished many special beams of this kind.

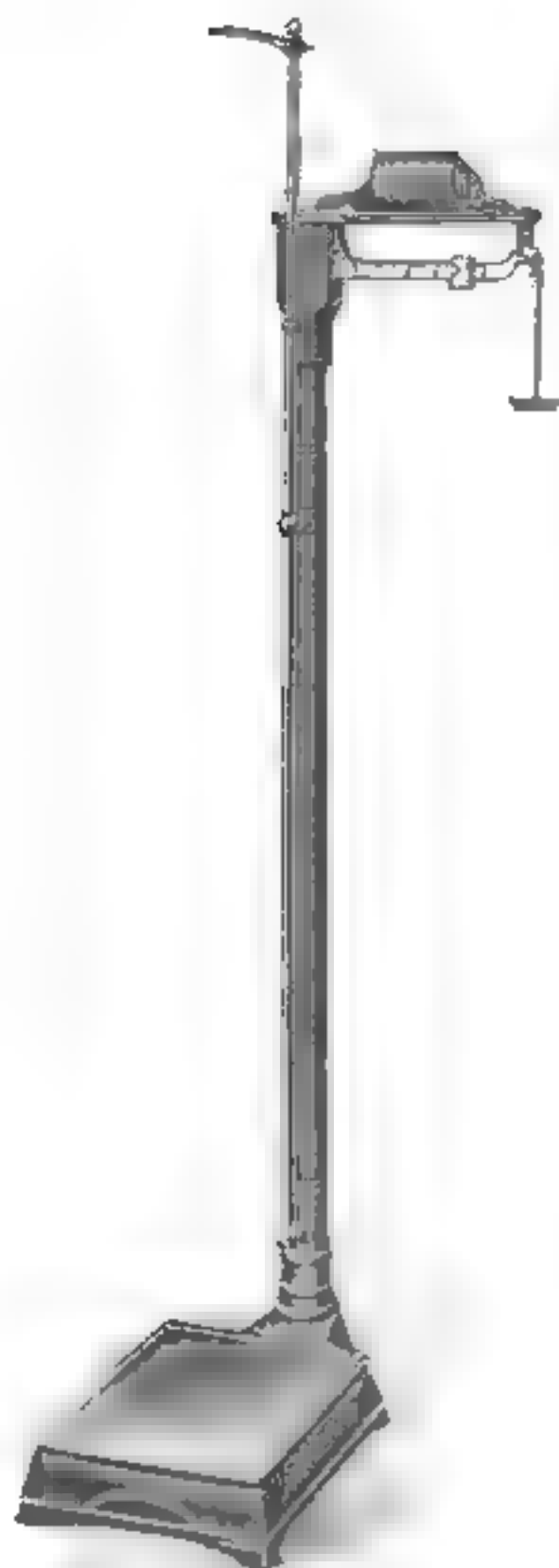
Write for net prices.



## PHYSICIANS' SCALES

The above illustration gives only a fair idea of the artistic design and finish of this most attractive personal scale. The base, platform, pillar and cap are of iron and the beam and poises are of brass. The capacity,  $\frac{1}{4}$  pound to 300 pounds, is marked upon the beam, so that no loose weights are required. If desired, the scale will be graduated in the Metric system, 100 grams to 175 kilos, without additional charge. In the regular finish the iron work is japanned black, relieved with bronze striping, and the beam is polished brass. In the extra finish, the iron work will be furnished in any color, but we recommend a dull black, as used on wrought iron, with gold-leaf striping. In this extra finish the beam and its supports are nickel plated. The measuring rod is of brass, nickel plated, similar to the one used on our scale No. 826.

No.	Capacity Lbs.	Platform Size, Inches	Price	
			Regular	Extra Finish
821	300 by $\frac{1}{4}$	$13\frac{1}{2} \times 19\frac{1}{2}$ without measuring rod	\$28 00	\$40 00
823	300 by $\frac{1}{4}$	$13\frac{1}{2} \times 19\frac{1}{2}$ with measuring rod	41 00	53 00

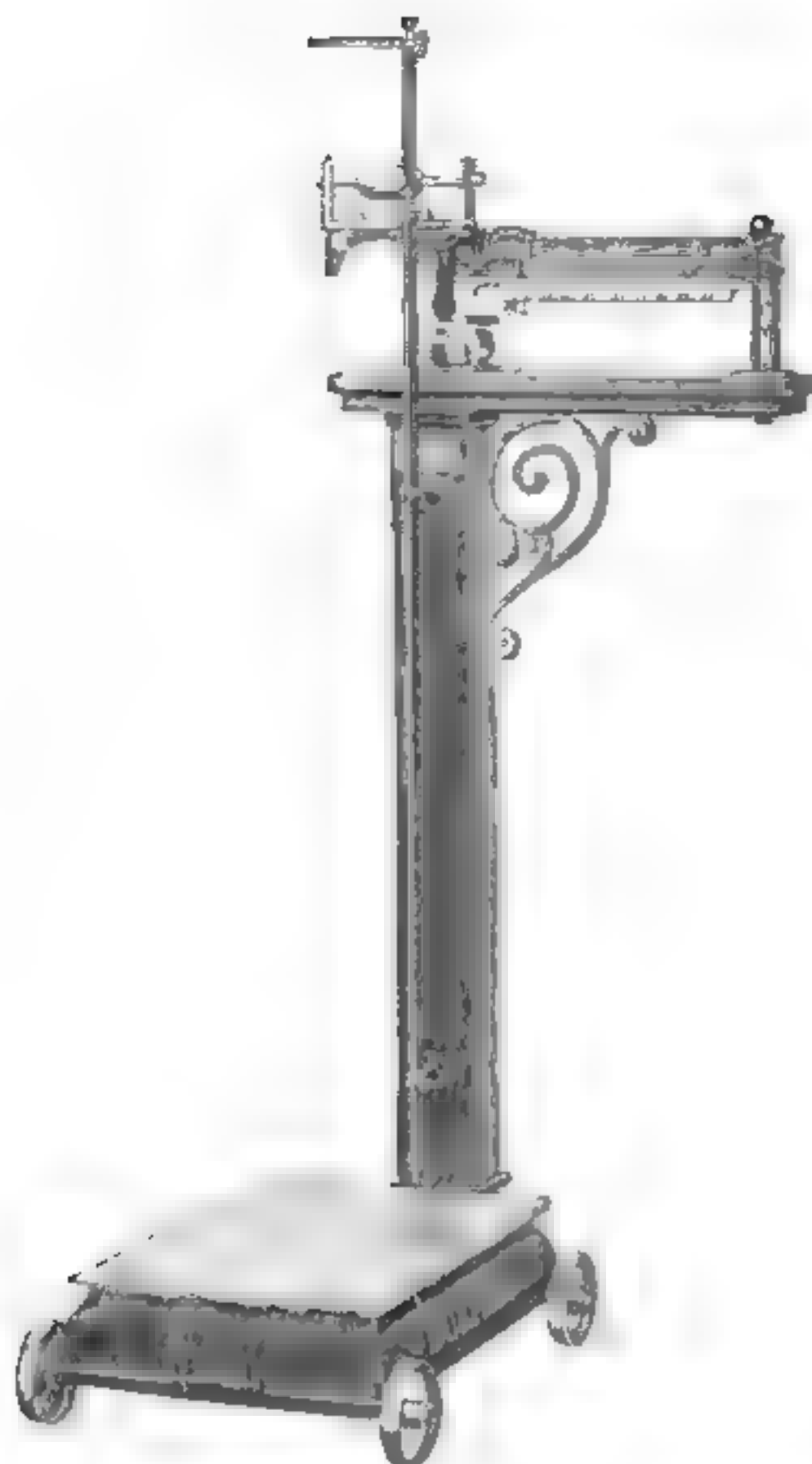


## BATHROOM SCALES

This scale is suitable for use in private houses, and especially in bathrooms. It is constructed of iron and brass throughout, with a tall pillar which places the beam on a level with the eye, and is finished in black and gold or white enamel, as may be desired, with nickel plated sliding poise beam. If desired, the scale can be graduated in the Metric system, to 125 kilos by 20-gram divisions.

Scale is furnished either with or without measuring rod.

No.	Capacity	Platform	Price
824	250 lbs. by 1 oz.	} 10 $\frac{1}{2}$ x 14 $\frac{1}{2}$ inches { with measuring rod }	\$26 00
822	250 lbs. by 1 oz.	10 $\frac{1}{2}$ x 14 $\frac{1}{2}$ inches	18 00



## FANCY COMBINATION BEAM SCALES

### WITH WHEELS

It has handsomely enameled iron frame. The platform is covered with stamped sheet brass. The patent combination beam dispenses with the use of loose weights and is of brass, nickel plated, as is the measuring rod. The beam and measuring rod will be graduated to the Metric system, if desired, without additional charge. The pillar and caps are of oak, handsomely polished. Cherry woodwork will be furnished at the same price as oak, and mahogany at an additional list price.

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No.	Capacity	Platform	Price
826	500 by $\frac{1}{2}$ lbs.	15 x 21 inches	\$100 00

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Additional list for mahogany woodwork, \$10.00.





## PLATFORM SCALES

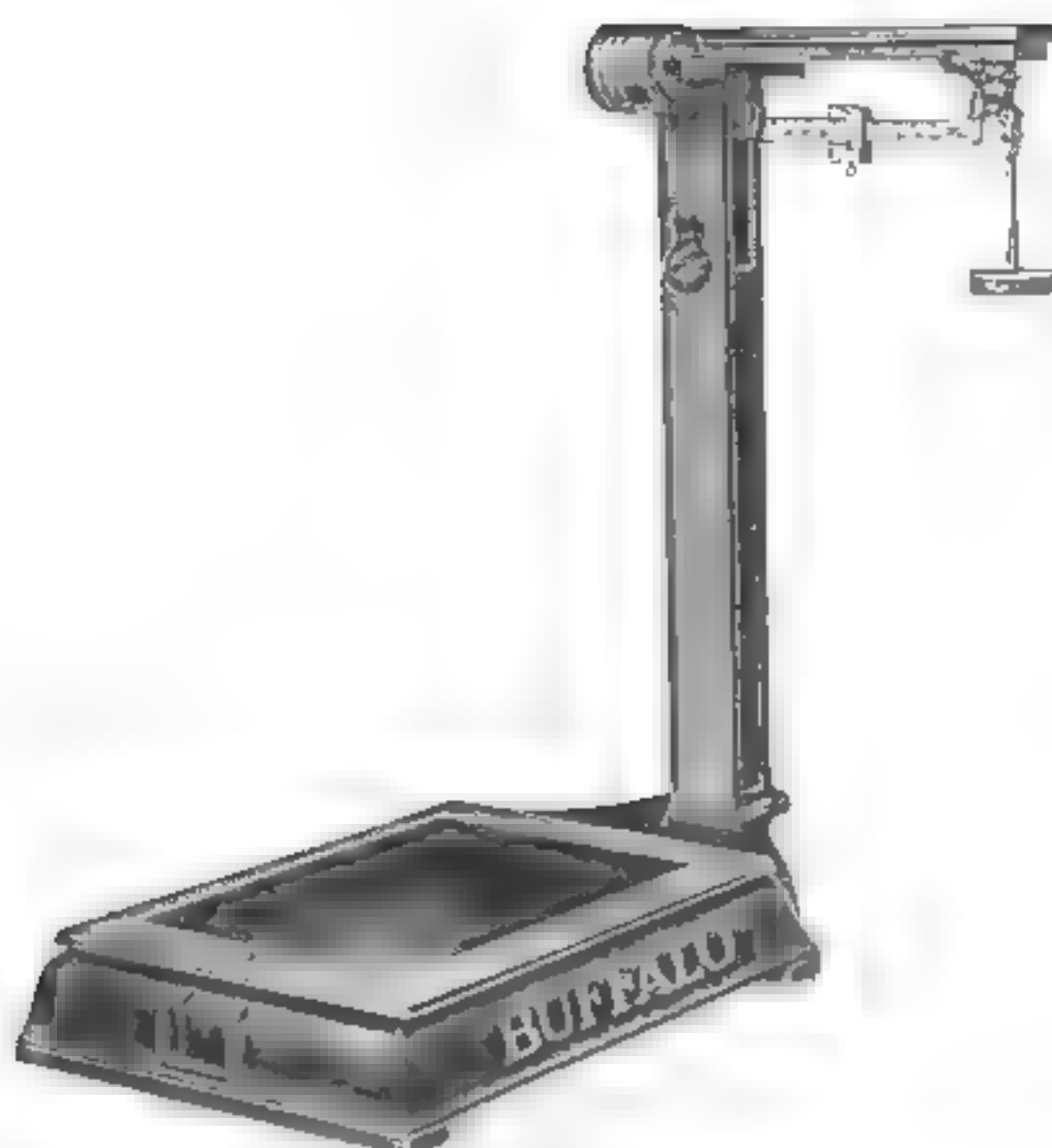
### WITH WHEELS

Adapted for all kinds of general weighing. The beams have sliding poises with set screws. The two smaller scales have beams marked to 50 pounds by  $\frac{1}{4}$ -pound marks; large sizes, beams are marked to 100 pounds by  $\frac{1}{2}$ -pound marks.

No.	Capacity	Platform	Price
1200	400 by $\frac{1}{4}$ lbs.	15 x 21 inches	\$26 00
1202	600 by $\frac{1}{4}$ lbs.	16 x 25 "	33 00
1204	800 by $\frac{1}{2}$ lbs.	17 x 26 "	38 00
1206	1000 by $\frac{1}{2}$ lbs.	17 x 26 "	43 00
1208	1200 by $\frac{1}{2}$ lbs.	20 x 28 "	49 00
1210	1600 by $\frac{1}{2}$ lbs.	21 x 30 "	56 00
1212	2000 by $\frac{1}{2}$ lbs.	24 x 33 "	75 00
1214	2500 by $\frac{1}{2}$ lbs.	24 x 33 "	85 00

Rubber, Composition or Cushion Wheels furnished at an additional price.

Double beams, see page 61.



## PLATFORM SCALES

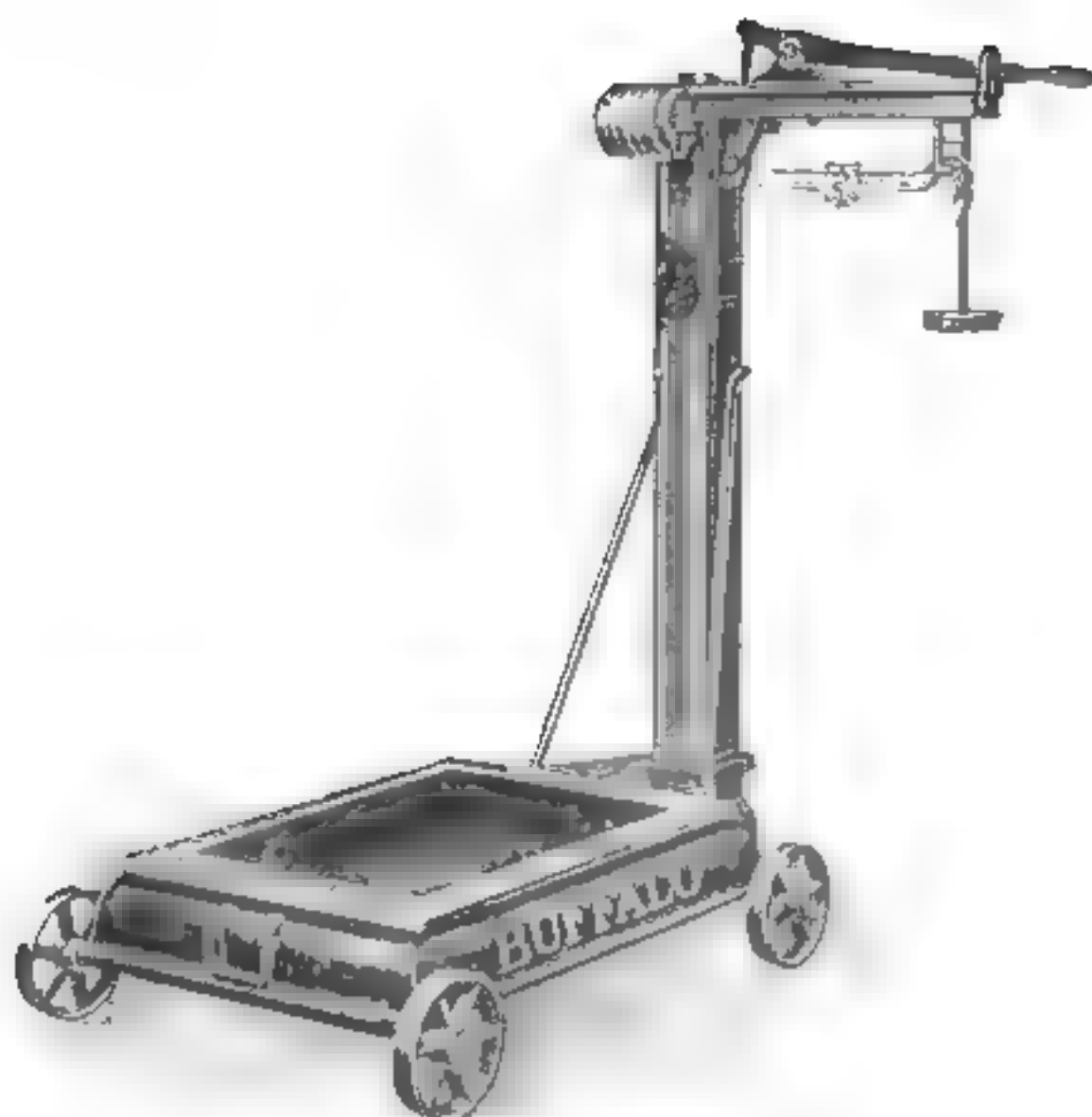
### WITHOUT WHEELS

Adapted for all kinds of general weighing. The beams have sliding poises with set screws. The two smaller scales have beams marked to 50 pounds by  $\frac{1}{4}$ -pound marks; large sizes, beams are marked to 100 pounds by  $\frac{1}{2}$ -pound marks.

No.	Capacity	Platform	Price
1221	400 by $\frac{1}{4}$ lbs.	15 x 21 inches	\$23 00
1223	600 by $\frac{1}{4}$ lbs.	16 x 25 "	30 00
1225	800 by $\frac{1}{2}$ lbs.	17 x 26 "	34 00
1227	1000 by $\frac{1}{2}$ lbs.	17 x 26 "	39 00
1229	1200 by $\frac{1}{2}$ lbs.	20 x 28 "	45 00
1231	1600 by $\frac{1}{2}$ lbs.	21 x 30 "	52 00
1233	2000 by $\frac{1}{2}$ lbs.	24 x 33 "	70 00
1235	2500 by $\frac{1}{2}$ lbs.	24 x 33 "	80 00

Rubber, Composition or Cushion Wheels furnished at an additional price.

Double beams, see page 61.



## PLATFORM SCALES

### WITH WHEELS AND DROP LEVER

Adapted for all kinds of general weighing. The beams and poises are of brass. The two smaller scales have beams marked to 50 pounds by  $\frac{1}{4}$ -pound marks; large sizes, beams are marked to 100 pounds by  $\frac{1}{2}$ -pound marks.

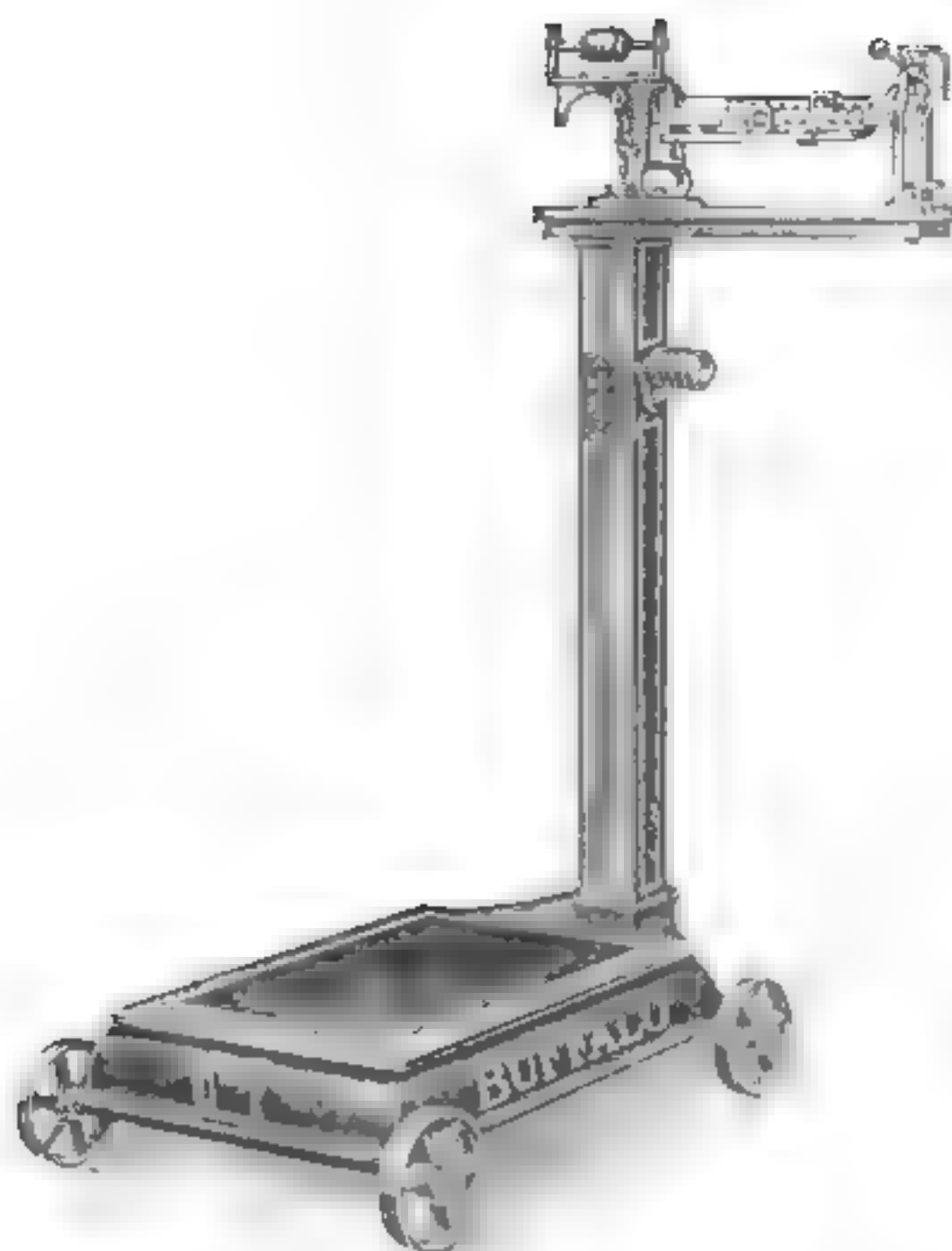
Our drop-lever scales are made very heavy and strong, and have pillar braced.

Notched beam with hanging poise furnished when so ordered.

No.	Capacity	Platform	Price
1236	400 by $\frac{1}{4}$ lbs.	15 x 21 inches	\$ 34 00
1238	600 by $\frac{1}{4}$ lbs.	16 x 25 "	41 00
1240	800 by $\frac{1}{2}$ lbs.	17 x 26 "	46 00
1242	1000 by $\frac{1}{2}$ lbs.	17 x 26 "	51 00
1244	1200 by $\frac{1}{2}$ lbs.	20 x 28 "	59 00
1246	1600 by $\frac{1}{2}$ lbs.	21 x 30 "	70 00
1248	2000 by $\frac{1}{2}$ lbs.	24 x 33 "	82 00
1250	2500 by $\frac{1}{2}$ lbs.	24 x 33 "	94 00
1252	3000 by $\frac{1}{2}$ lbs.	30 x 38 "	114 00
1254	3500 by $\frac{1}{2}$ lbs.	30 x 38 "	125 00

Rubber, Composition or Cushion Wheels furnished at an additional price.

Double beams, see page 61.



## LABORATORY PLATFORM SCALES

This scale is especially designed for the mechanical department of universities and colleges. It is equipped with a 3-bar combination brass beam and balance indicator. The main beam is graduated 50 pounds x 5-pound marks; the unit beam 5 pounds x  $\frac{1}{50}$ -pound marks; the tare beam is graduated 50 pounds x  $\frac{1}{4}$ -pound marks. The total capacity of the scale, 500 pounds, is made up with brass weights on a brass counterpoise. The workmanship and finish are of the best and the scales are especially accurate. We have a large number in use.

No.	Size of Platform	Price
1264	15 x 21 inches	\$60 00



## PLATFORM SCALES—ALL METAL

This scale is constructed of metal throughout.

The two smaller scales have beams marked to 50 pounds by  $\frac{1}{4}$ -pound marks; large sizes, beams are marked to 100 pounds by  $\frac{1}{2}$ -pound marks.

### WITH WHEELS

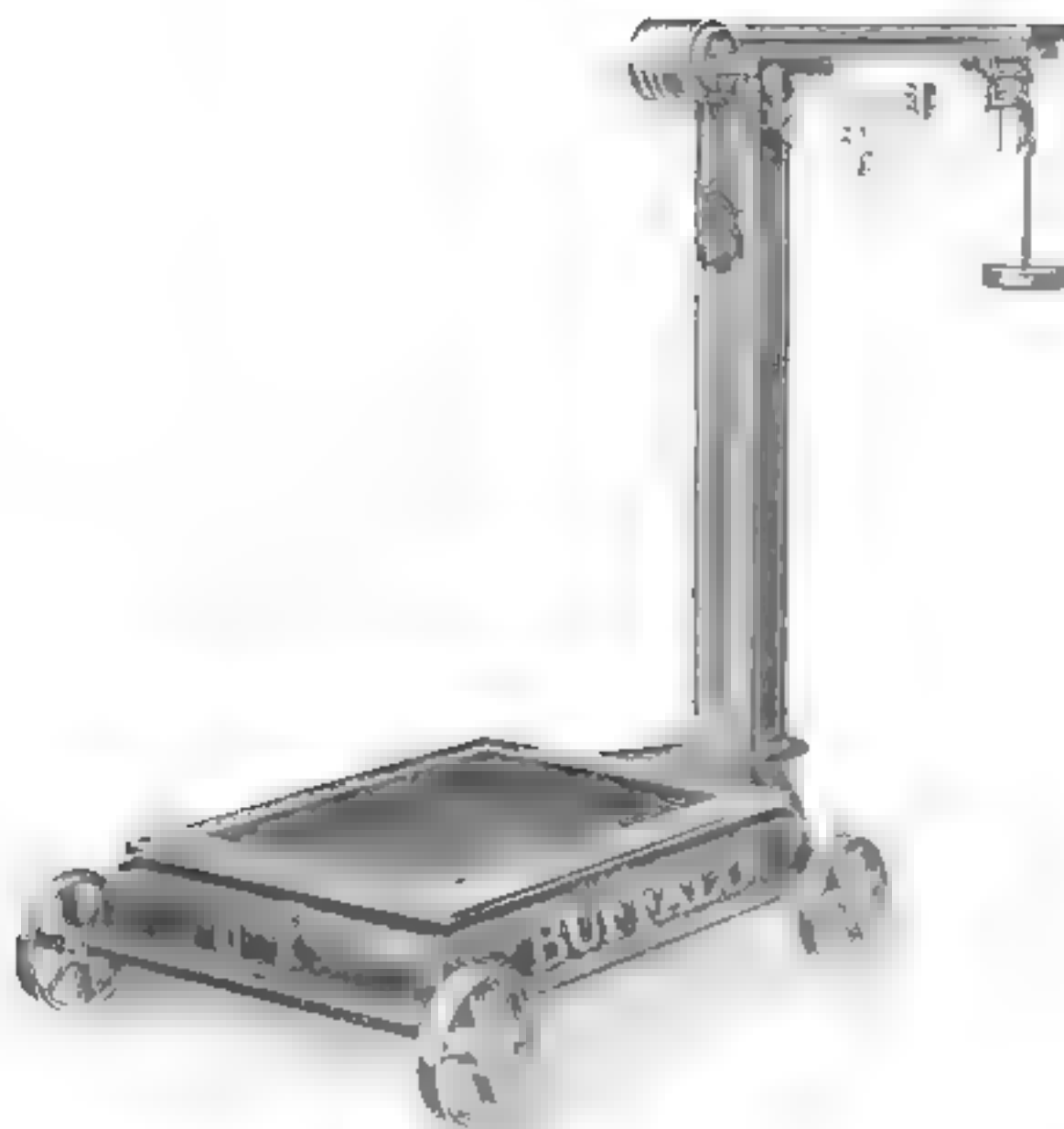
No.	Capacity	Platform	Price
1266	400 by $\frac{1}{4}$ lbs.	15 x 21 inches	\$31 00
1268	600 by $\frac{1}{4}$ lbs.	16 x 25 "	39 00
1270	800 by $\frac{1}{2}$ lbs.	17 x 26 "	44 00
1272	1000 by $\frac{1}{2}$ lbs.	17 x 26 "	49 00
1274	1200 by $\frac{1}{2}$ lbs.	20 x 28 "	56 00
1276	1600 by $\frac{1}{2}$ lbs.	21 x 30 "	63 00
1278	2000 by $\frac{1}{2}$ lbs.	24 x 33 "	83 00
1280	2500 by $\frac{1}{2}$ lbs.	24 x 33 "	95 00

### WITHOUT WHEELS

1265	400 by $\frac{1}{4}$ lbs.	15 x 21 inches	\$28 00
1267	600 by $\frac{1}{4}$ lbs.	16 x 25 "	36 00
1269	800 by $\frac{1}{2}$ lbs.	17 x 26 "	40 00
1271	1000 by $\frac{1}{2}$ lbs.	17 x 26 "	45 00
1273	1200 by $\frac{1}{2}$ lbs.	20 x 28 "	52 00
1275	1600 by $\frac{1}{2}$ lbs.	21 x 30 "	59 00
1277	2000 by $\frac{1}{2}$ lbs.	24 x 33 "	78 00
1279	2500 by $\frac{1}{2}$ lbs.	24 x 33 "	90 00

Rubber, Composition or Cushion Wheels furnished at an additional price.

Double beams, see page 61.



## DOUBLE-BEAM PLATFORM SCALES

WITH SLIDING BRASS POISES. LOWER POISE HAS SET SCREW

This scale is of use where it is necessary to take tare weights. The 400 and 600-pound beams are marked in  $\frac{1}{4}$  pound marks to 50 pounds. On all larger sizes the top bar is marked to 50 pounds in  $\frac{1}{4}$ -pound marks, and lower to 100 pounds in  $\frac{1}{2}$ -pound marks.

### WITH WHEELS

No.	Capacity	Platform	Price
1282	400 lbs.	15 x 21 inches	\$30 00
1284	600 lbs.	16 x 25 "	37 00
1286	800 lbs.	17 x 26 "	42 00
1288	1000 lbs.	17 x 26 "	47 00

### WITHOUT WHEELS

1283	400 lbs.	15 x 21 inches	\$27 00
1285	600 lbs.	16 x 25 "	34 00
1287	800 lbs.	17 x 26 "	38 00
1289	1000 lbs.	17 x 26 "	43 00

Double beam can be furnished on any size platform scale, but is not recommended for drop lever scales.

Extra for Double Beam, 400-1000 lbs. Scales	\$4 00
Extra for Double Beam, 1200-1600 lbs. Scales	5 00
Extra for Double Beam, 2000-2500 lbs. Scales	6 00

Rubber, Composition or Cushion Wheels furnished at an additional price.





## PLATFORM SCALES

### WITH BAG RACK

The bag rack on platform prevents bags from leaning against pillar, and makes scale desirable for weighing articles of all kinds in bags.

The two smaller scales have beams marked to 50 pounds by  $\frac{1}{4}$ -pound marks; large sizes, beams are marked 100 pounds by  $\frac{1}{2}$ -pound marks.

### WITH WHEELS

No.	Capacity	Platform	Price
1298	400 by $\frac{1}{4}$ lbs.	15 x 21 inches	\$29 00
1300	600 by $\frac{1}{4}$ lbs.	16 x 25 "	36 00
1302	800 by $\frac{1}{2}$ lbs.	17 x 26 "	41 00
1304	1000 by $\frac{1}{2}$ lbs.	17 x 26 "	46 00
1306	1200 by $\frac{1}{2}$ lbs.	20 x 28 "	52 00
1308	1600 by $\frac{1}{2}$ lbs.	21 x 30 "	60 00
1310	2000 by $\frac{1}{2}$ lbs.	24 x 33 "	79 00

### WITHOUT WHEELS

1311	400 by $\frac{1}{4}$ lbs.	15 x 21 inches	\$26 00
1313	600 by $\frac{1}{4}$ lbs.	16 x 25 "	33 00
1315	800 by $\frac{1}{2}$ lbs.	17 x 26 "	37 00
1317	1000 by $\frac{1}{2}$ lbs.	17 x 26 "	42 00
1319	1200 by $\frac{1}{2}$ lbs.	20 x 28 "	48 00
1321	1600 by $\frac{1}{2}$ lbs.	21 x 30 "	56 00
1323	2000 by $\frac{1}{2}$ lbs.	24 x 33 "	74 00

Rubber, Composition or Cushion Wheels furnished at an additional price.



## SQUARE PLATFORM SCALES

This scale is designed to meet the demand for scales adapted for weighing bulky articles. It offers about 30% more platform room at almost the same price as the old style platform scale.

The beams are graduated to 100 pounds by  $\frac{1}{2}$ -pound divisions, with the exception of the 600-pound size, which is graduated to 50 pounds by  $\frac{1}{4}$ -pound divisions.

### WITH WHEELS

No.	Capacity	Platform	Price
1324	600 by $\frac{1}{4}$ lbs.	23 x 23 inches	\$35 00
1326	1000 by $\frac{1}{2}$ lbs.	25 x 25 "	45 00
1328	1200 by $\frac{1}{2}$ lbs.	27 x 27 "	53 00
1330	1600 by $\frac{1}{2}$ lbs.	29 x 29 "	60 00
1332	2000 by $\frac{1}{2}$ lbs.	31 x 31 "	80 00

### WITHOUT WHEELS

1335	600 by $\frac{1}{4}$ lbs.	23 x 23 inches	\$32 00
1337	1000 by $\frac{1}{2}$ lbs.	25 x 25 "	42 00
1339	1200 by $\frac{1}{2}$ lbs.	27 x 27 "	50 00
1341	1600 by $\frac{1}{2}$ lbs.	29 x 29 "	56 00
1343	2000 by $\frac{1}{2}$ lbs.	31 x 31 "	75 00



## SQUARE PLATFORM SCALES WITH DROP LEVER

This scale is designed to meet the demand for scales adapted for weighing bulky articles.

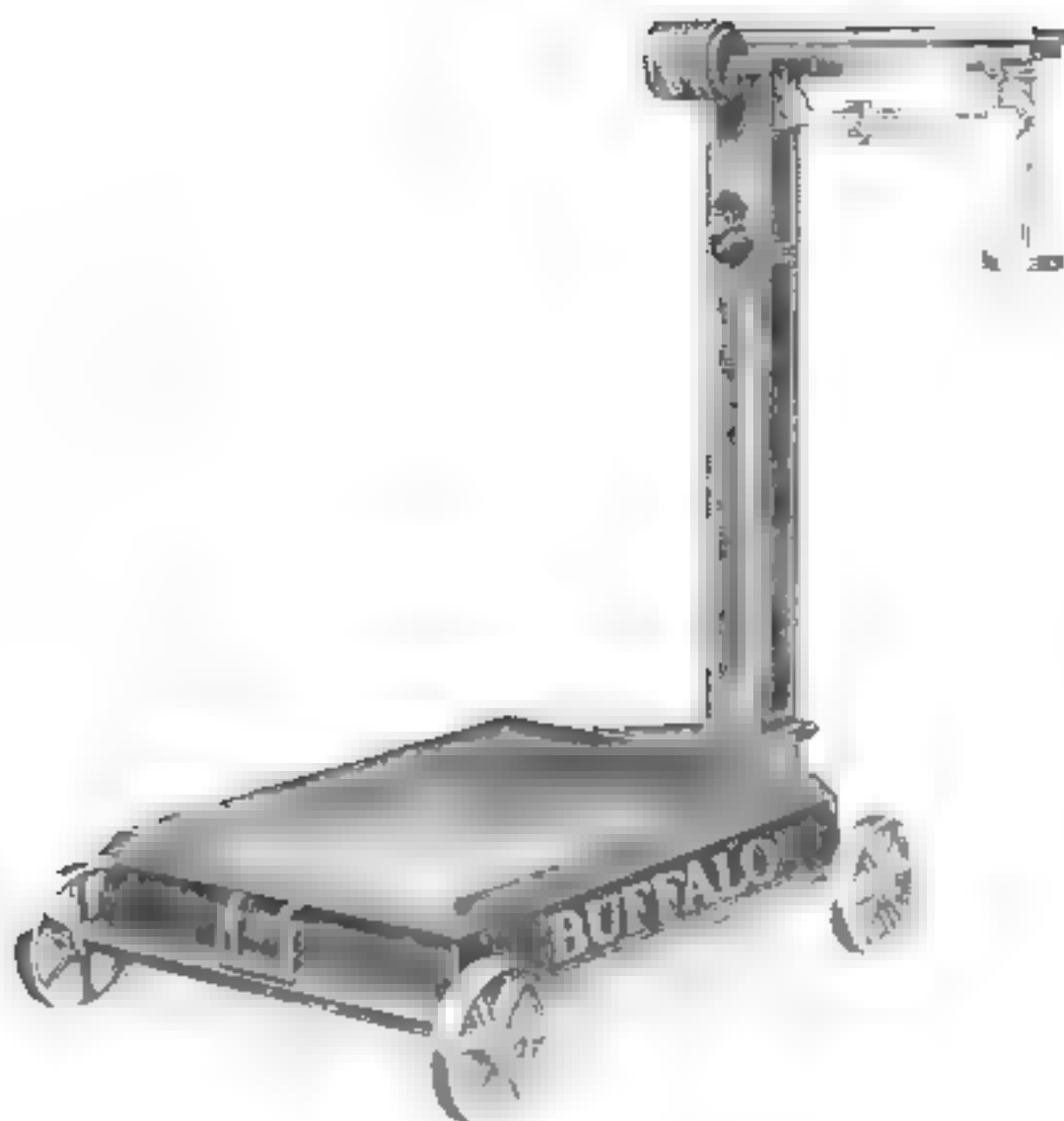
The beams are graduated to 100 pounds by  $\frac{1}{2}$ -pound divisions, with the exception of the 600-pound size which is graduated to 50 pounds by  $\frac{1}{4}$ -pound divisions.

### WITH WHEELS AND DROP LEVER

No.	Capacity	Platform	Price
1344	600 by $\frac{1}{4}$ lbs.	23 x 23 inches	\$43 00
1346	1000 by $\frac{1}{2}$ lbs.	25 x 25 "	53 00
1348	1200 by $\frac{1}{2}$ lbs.	27 x 27 "	63 00
1350	1600 by $\frac{1}{2}$ lbs.	29 x 29 "	74 00
1352	2000 by $\frac{1}{2}$ lbs.	31 x 31 "	91 00

### WITH WHEELS AND BAG RACK (WITHOUT DROP LEVER)

1354	600 by $\frac{1}{4}$ lbs.	23 x 23 inches	\$38 00
1356	1000 by $\frac{1}{2}$ lbs.	25 x 25 "	49 00
1358	1200 by $\frac{1}{2}$ lbs.	27 x 27 "	57 00
1360	1600 by $\frac{1}{2}$ lbs.	29 x 29 "	64 00
1362	2000 by $\frac{1}{2}$ lbs.	31 x 31 "	85 00



## SALT MEAT AND FISH SCALES

This scale has a solid iron platform with flanges around the edges which protect the working parts of the scale.

In weighing salt meats and fish the brine, etc., will run off and cannot get into the scale.

They are very strong, accurate and durable, and have all the latest improvements.

The beams are graduated to 100 pounds by  $\frac{1}{2}$ -pound divisions with the exception of the 400 and 600 pound sizes which are graduated to 50 pounds by  $\frac{1}{4}$ -pound divisions.

### WITH WHEELS

No.	Capacity	Platform	Price Plain	Price Galvanized
1374	400 by $\frac{1}{4}$ lbs.	15 x 21 $\frac{1}{2}$ inches	\$ 30 00	\$ 40 00
1376	600 by $\frac{1}{4}$ lbs.	16 x 25 "	35 00	47 00
1378	1000 by $\frac{1}{2}$ lbs.	17 x 26 "	48 00	63 00
1380	1200 by $\frac{1}{2}$ lbs.	20 x 28 "	56 00	73 00
1382	1600 by $\frac{1}{2}$ lbs.	21 x 29 "	65 00	83 00
1383	2000 by $\frac{1}{2}$ lbs.	25 x 34 "	79 00	100 00
1384	2500 by $\frac{1}{2}$ lbs.	25 x 34 "	101 00	126 00

### WITHOUT WHEELS

1365	400 by $\frac{1}{4}$ lbs.	15 x 21 $\frac{1}{2}$ inches	\$27 00	\$ 37 00
1367	600 by $\frac{1}{4}$ lbs.	16 x 25 "	32 00	44 00
1369	1000 by $\frac{1}{2}$ lbs.	17 x 26 "	44 00	59 00
1371	1200 by $\frac{1}{2}$ lbs.	20 x 28 "	52 00	69 00
1373	1600 by $\frac{1}{2}$ lbs.	21 x 29 "	60 00	78 00
1375	2000 by $\frac{1}{2}$ lbs.	25 x 34 "	74 00	95 00
1377	2500 by $\frac{1}{2}$ lbs.	25 x 34 "	96 00	121 00

Extra for Double Beam,	400-1000 lbs. Scales	\$4 00
" " " "	1200-1600 " "	5 00
" " " "	2000-2500 " "	6 00



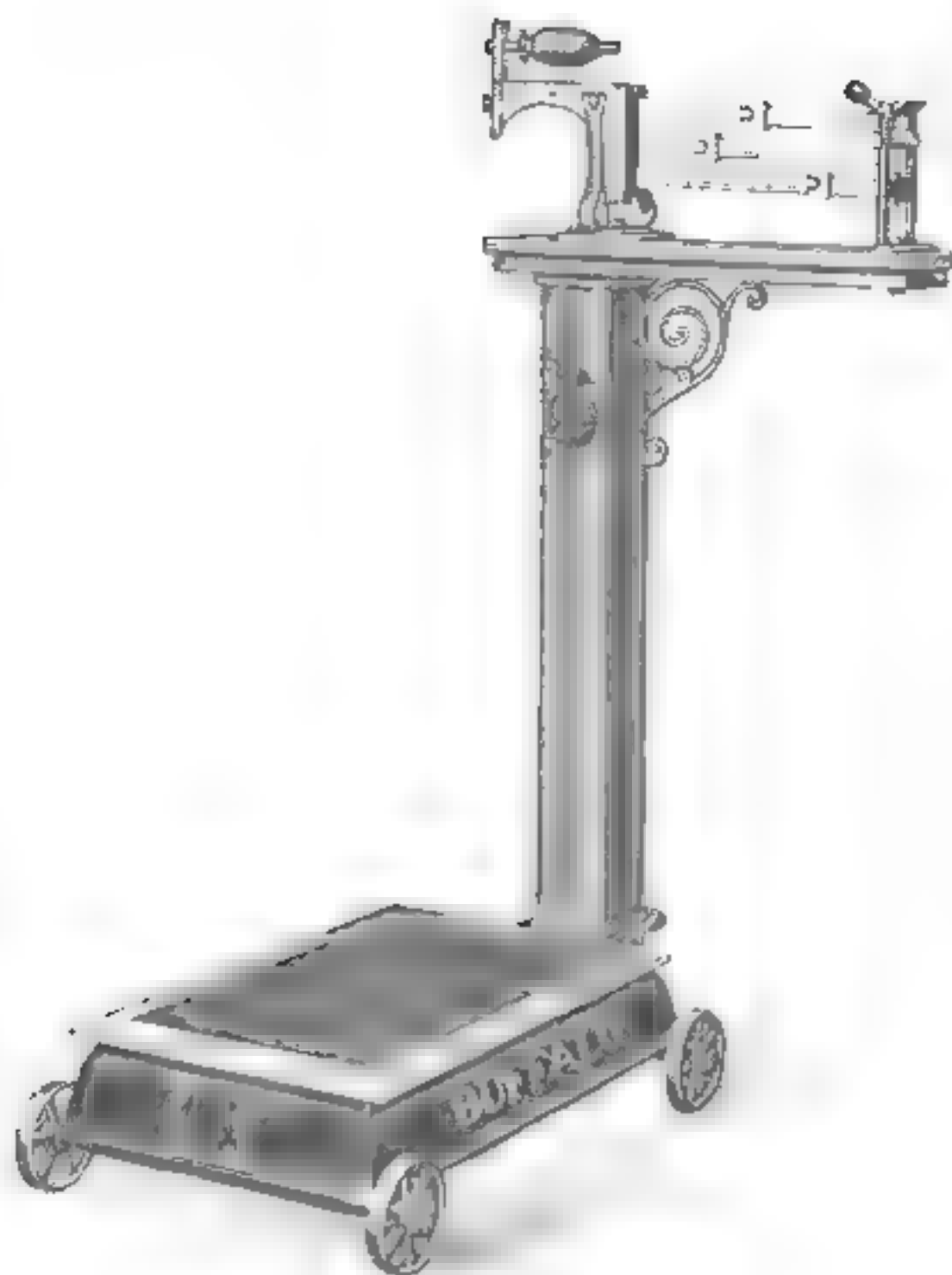
## SALT MEAT AND FISH SCALES

WITH DROP LEVER, SLIDING POISE AND SET SCREWS

This scale is similar to scale on page 65, but is fitted with a drop lever. Beams are graduated to 100 pounds by  $\frac{1}{2}$ -pound divisions.

WITH WHEELS

No.	Capacity	Platform	Price Plain	Price Galvanized
1386	1000 by $\frac{1}{2}$ lbs.	17 x 26 inches	\$ 56 00	\$ 71 00
1388	1200 by $\frac{1}{2}$ lbs.	20 x 28 "	66 00	83 00
1390	1600 by $\frac{1}{2}$ lbs.	21 x 29 "	78 00	96 00
1392	2000 by $\frac{1}{2}$ lbs.	25 x 34 "	92 00	113 00
1394	2500 by $\frac{1}{2}$ lbs.	25 x 34 "	104 00	129 00



## PLATFORM SCALES

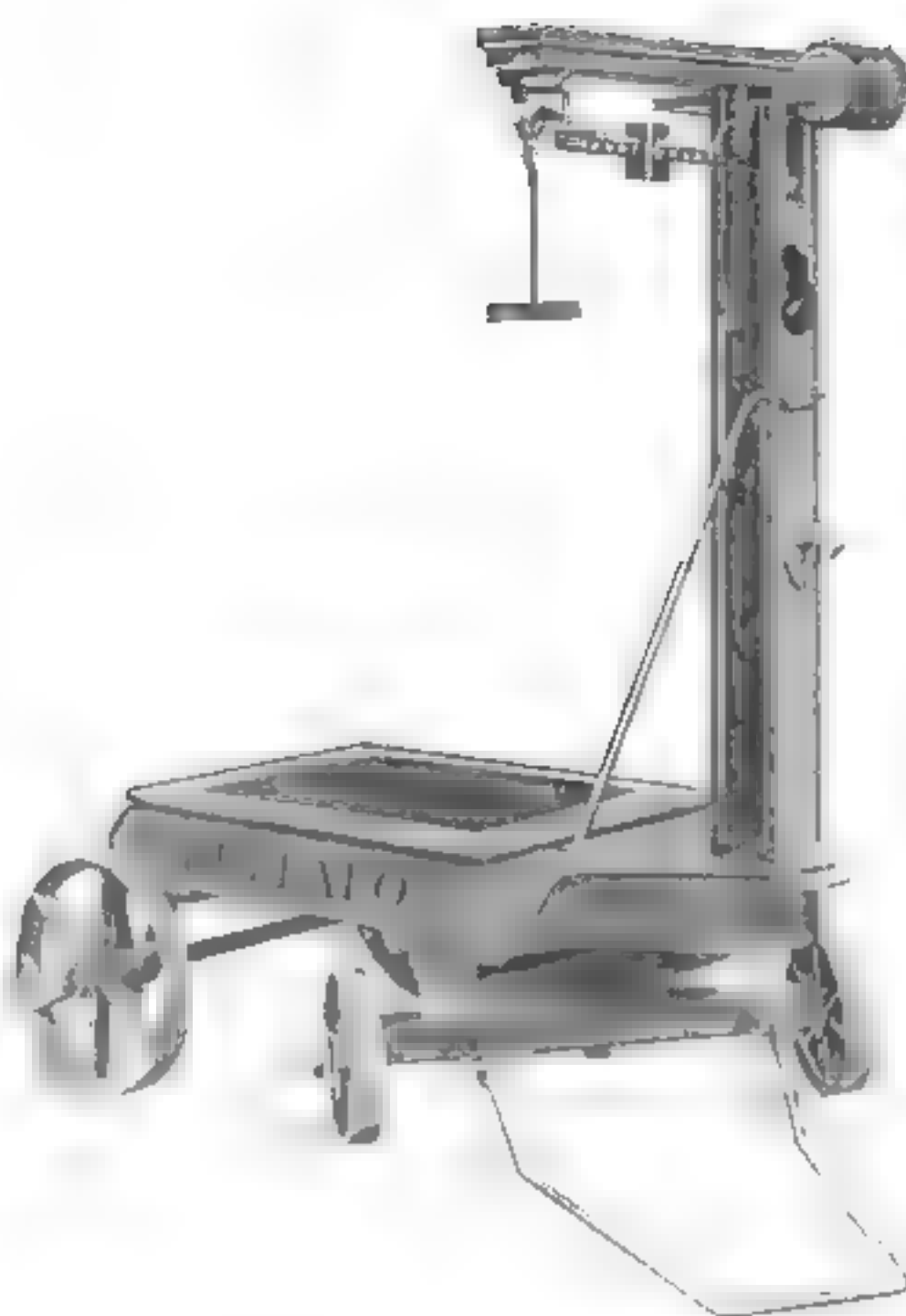
### WITH PATENT COMBINATION BEAM

Full capacity is on the beam and no loose weights are required.  
Beams are graduated by  $\frac{1}{2}$  pounds.

No.	Capacity	Platform	Description	Price
1396	500 by $\frac{1}{2}$ lbs.	15 x 21 inches	Without wheels	\$38 00
1398	500 by $\frac{1}{2}$ lbs.	15 x 21 "	With "	41 00
1400	800 by $\frac{1}{2}$ lbs.	17 x 26 "	Without "	49 00
1402	800 by $\frac{1}{2}$ lbs.	17 x 26 "	With "	53 00
1404	1000 by $\frac{1}{2}$ lbs.	17 x 26 "	Without "	54 00
1406	1000 by $\frac{1}{2}$ lbs.	17 x 26 "	With "	58 00

Rubber, Composition or Cushion Wheels furnished at an extra price.





## PLATFORM SCALES

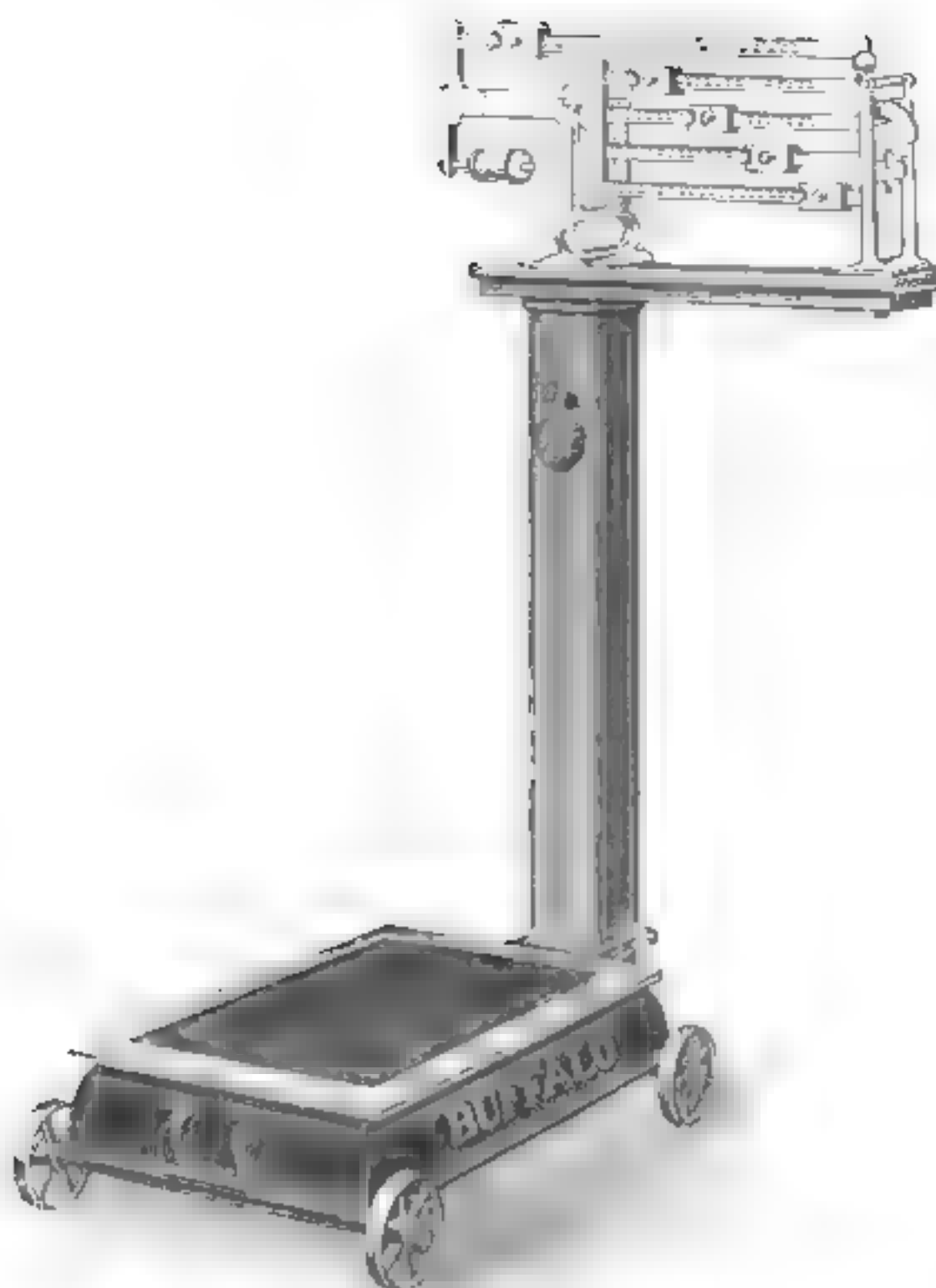
WITH VIBRATORY AXLE

Wheels and sliding poise.

This scale is placed on high raised wheels, and is designed for weighing articles which are likely to hang over sides.

Beams are graduated to 100 pounds by  $\frac{1}{2}$ -pound divisions.

No.	Capacity	Platform	Price
1412	1000 by $\frac{1}{2}$ lbs.	17 x 26 inches	\$57 00
1414	1200 by $\frac{1}{2}$ lbs.	20 x 28 "	65 00
1416	1600 by $\frac{1}{2}$ lbs.	21 x 30 "	77 00
1418	2000 by $\frac{1}{2}$ lbs.	24 x 33 "	90 00
1420	2500 by $\frac{1}{2}$ lbs.	24 x 33 "	102 00
1419	3000 by $\frac{1}{2}$ lbs.	30 x 38 "	135 00



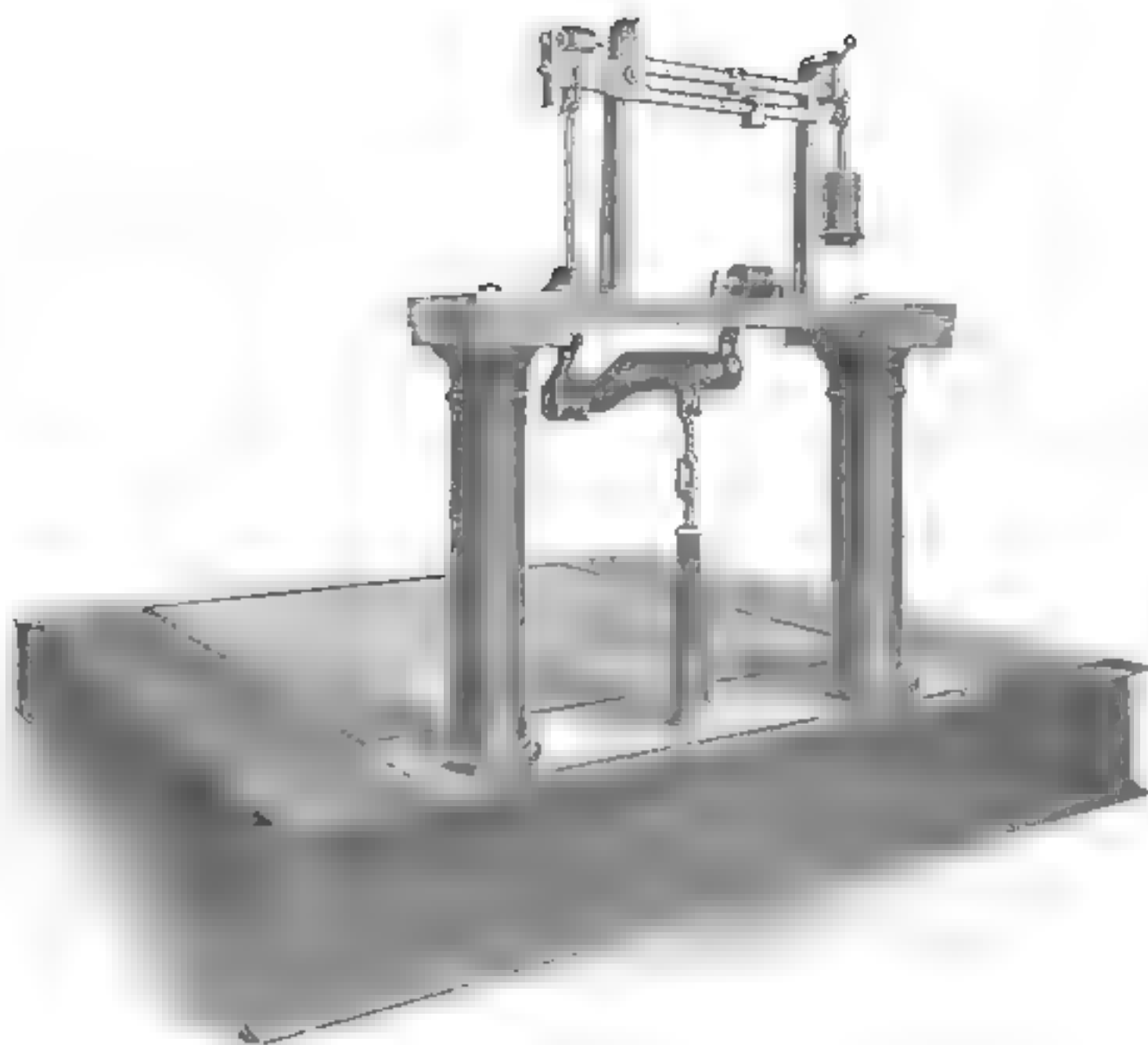
## CHEESE FACTORY SCALES

This scale has a compound beam for weighing and registering separately the different quantities of milk as they are poured into the can, thus preventing delay and annoyance, as a half-dozen customers can be served in but little more time than is required to serve one with the single beam. No weights are used, as the weighing is done exclusively with the poises.

### BEAM GRADUATION—

Scale No. 1421 } Upper bar 250 lbs. x 1 lb.  
 Scale No. 1422 } Four other bars 100 lbs. x  $\frac{1}{2}$  lb.  
 Scale No. 1423 } Two upper bars 250 lbs. x  $\frac{1}{2}$  lb.  
 Scale No. 1424 } Five other bars 100 lbs. x  $\frac{1}{2}$  lb.

No.	Capacity	Platform	Description	Price
1421	600 by $\frac{1}{2}$ lbs., 5 beams	16 x 25 inches	Without wheels	\$47 00
1422	600 by $\frac{1}{2}$ lbs., 5 "	16 x 25 "	With "	50 00
1423	1000 by $\frac{1}{2}$ lbs., 7 "	17 x 26 "	Without "	56 00
1424	1000 by $\frac{1}{2}$ lbs., 7 "	17 x 26 "	With "	60 00



## HEAVY DUTY DORMANT SCALES

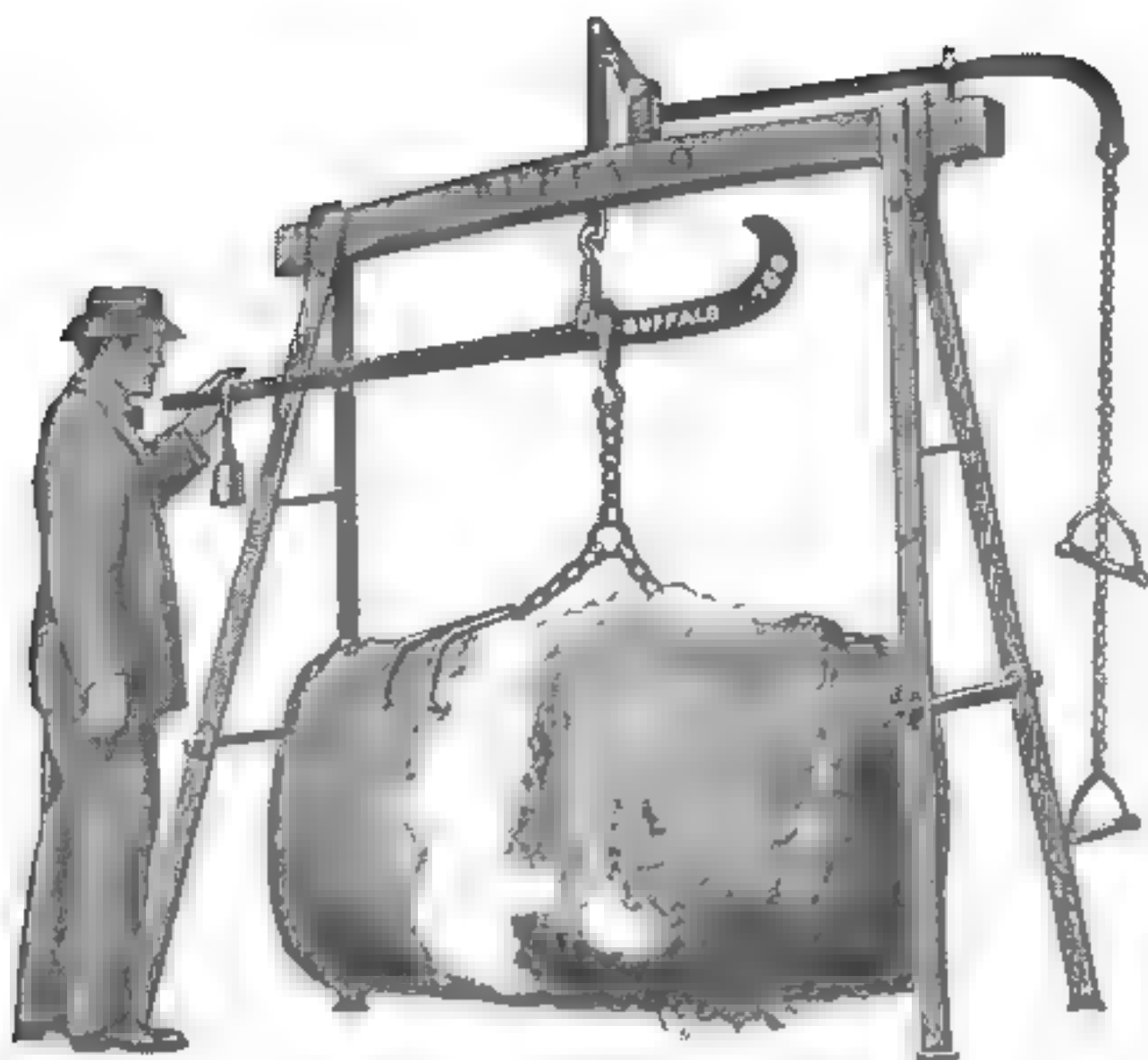
WITH SUSPENSION BEARINGS AND STEEL FRAMING

Though largely used for weighing metals, this scale is designed for any hard, accurate work.

It is self-contained and may also be used as a portable scale.

The construction is entirely of metal, except the shelf and the platform covering.

No.	Capacity	Platform	Price Double Beam	Price Comp Beam
1426	6,000 lbs.	48 x 48 inches	\$300 00	\$330 00
1425	8,000 "	48 x 60 "	350 00	380 00
1427	10,000 "	60 x 72 "	400 00	430 00



## COTTON SCALES

The "Buffalo" Iron-shod Cotton Scale has a perfectly balanced beam about seven feet in length.

Smooth beams are most commonly used and scales are so furnished unless notched beams are specified.

The frame is of selected hard wood and is substantially made. The legs are fitted with iron shoes to prevent splitting.

All iron work is japanned black. The finish of the woodwork is natural color, varnished.

The scale is of the best materials and workmanship throughout.

No.	Capacity	Style of Hooks	List Price
1430	700 x 1 lbs.	Regular (small)	\$65 00
1431	800 x 1 lbs.	Regular (small)	70 00
1434	700 x 1 lbs.	Beam and poises only	32 00
1436	800 x 1 lbs.	Beam and poises only	35 00
Extra for Large Hooks			\$ 6 00
Extra for Swivel Hooks			5 00
Extra for Polished Blade			10 00
Extra for Polished Beam			15 00
Frame only, with Fulcrum			
Stand			32 00
Beam only, with Poises			32 00
Chain Downhaul, including			
Chains only, and Handles			\$1 50
Balance Poise for Hooks			1 00
Downhaul complete, including			
Lever Lifting Strap, Ful			
crum Stand, Chains and			
Handles			6 00

Polished blades, full polished beams, brass poises, large hooks and other special equipment if desired.



## WOOL AND COTTON SCALES

WITH DROP LEVER, SLIDING POISE AND  
HEAVY CASTER WHEELS

This pattern of scale is particularly suited for weighing bales of cotton and wool, having a large platform and being easily moved from place to place. If desired, bag rack will be furnished at an additional price of \$5.00.

Beam is graduated to 100 pounds by  $\frac{1}{2}$ -pound divisions.

No.	Capacity	Platform	Price
1432	1000 by $\frac{1}{2}$ lbs.	42 x 30 inches	\$100 00



## PORK AND GRAIN SCALES

### WITH AND WITHOUT WHEELS

This scale is especially suited for use in packing houses, flour mills and feed stores, for weighing meats, grain, flour in bags, and all bulky commodities. The beam is marked to 100 pounds by  $\frac{1}{2}$ -pound marks. Weights, 1 pound to 100 pounds.

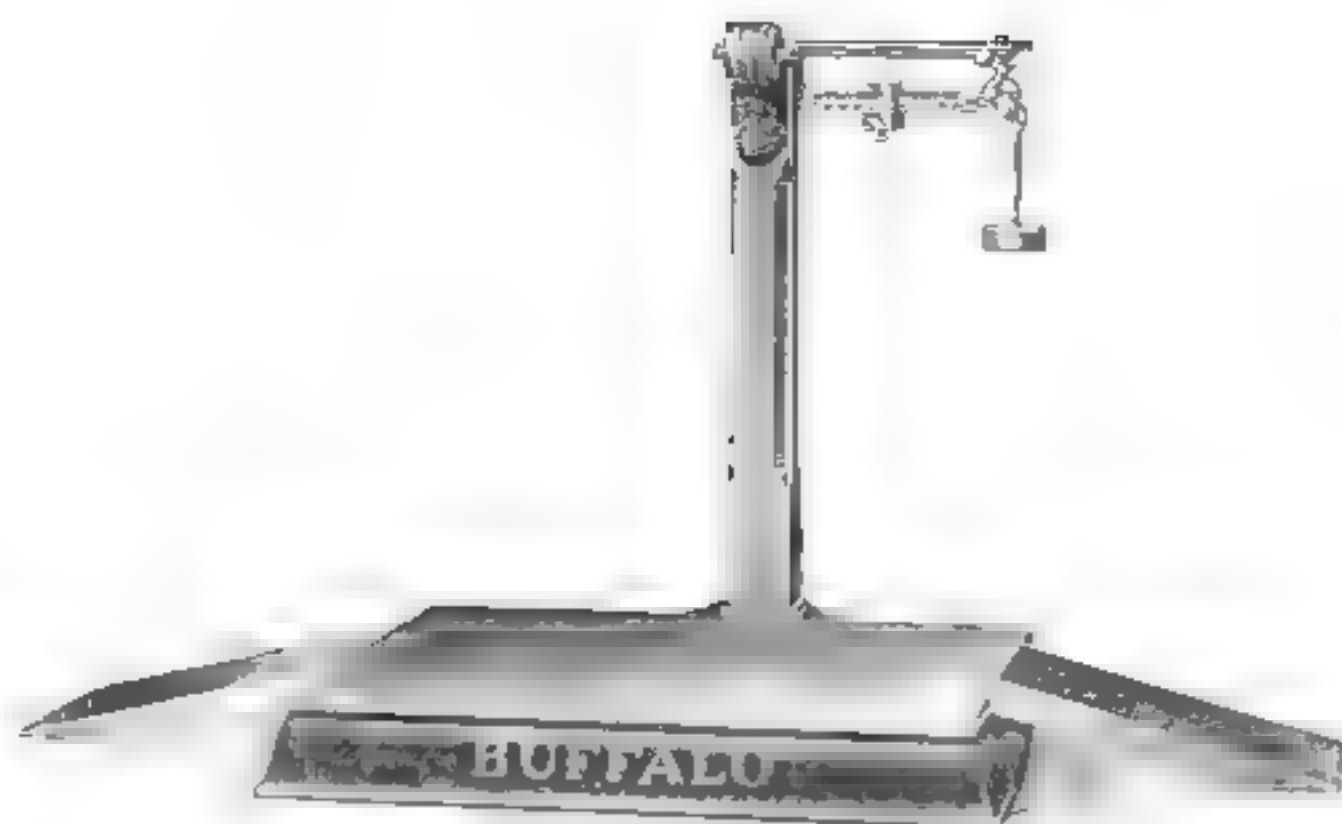
Double beam will be furnished at extra list prices shown at bottom of page 61.

#### WITH WHEELS

No.	Capacity	Platform	Price
1442	1000 by $\frac{1}{2}$ lbs.	42 x 30 inches	\$ 73 00
1444	1200 by $\frac{1}{2}$ lbs.	42 x 30 "	74 00
1446	1800 by $\frac{1}{2}$ lbs.	42 x 30 "	78 00
1448	2000 by $\frac{1}{2}$ lbs.	44 x 35 "	94 00
1450	2500 by $\frac{1}{2}$ lbs.	44 x 35 "	100 00

#### WITHOUT WHEELS

1433	1000 by $\frac{1}{2}$ lbs.	42 x 30 inches	\$68 00
1435	1200 by $\frac{1}{2}$ lbs.	42 x 30 "	70 00
1437	1800 by $\frac{1}{2}$ lbs.	42 x 30 "	73 00
1439	2000 by $\frac{1}{2}$ lbs.	44 x 35 "	87 00
1441	2500 by $\frac{1}{2}$ lbs.	44 x 35 "	93 00



## WHEELBARROW SCALES

No wood is used in the construction of this scale. It is intended for weighing wheelbarrow loads of coal, etc., and platform is suitable size. A set of inclines is included with scale. The beam is marked to 100 pounds by 1-pound marks. Weights, 1 pound to 100 pounds.

### WITHOUT WHEELS

No.	Capacity	Platform	Price
1451	1000 by 1 lbs.	42 x 30 inches	\$70 00
1453	1500 by 1 lbs.	42 x 30 "	80 00
1455	2000 by 1 lbs.	44 x 35 "	93 00
1456	2500 by 1 lbs.	44 x 35 "	115 00

### WITH WHEELS

1458	1000 by 1 lbs.	42 x 30 inches	\$ 75 00
1460	1500 by 1 lbs.	42 x 30 "	85 00
1462	2000 by 1 lbs.	44 x 35 "	100 00
1463	2500 by 1 lbs.	44 x 35 "	125 00

## WHEELBARROW SCALES

### "A" PATTERN

#### WITHOUT WHEELS

No.	Capacity	Platform	Price
1465	1000 by 1 lbs.	39 x 30 inches	\$60 00

#### WITH WHEELS

1466	1000 by 1 lbs.	39 x 30 inches	\$65 00
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## ICE SCALES

Double brass beam. No loose weights. Solid iron platform with ribs, to allow blocks of ice to slide over without obstruction.

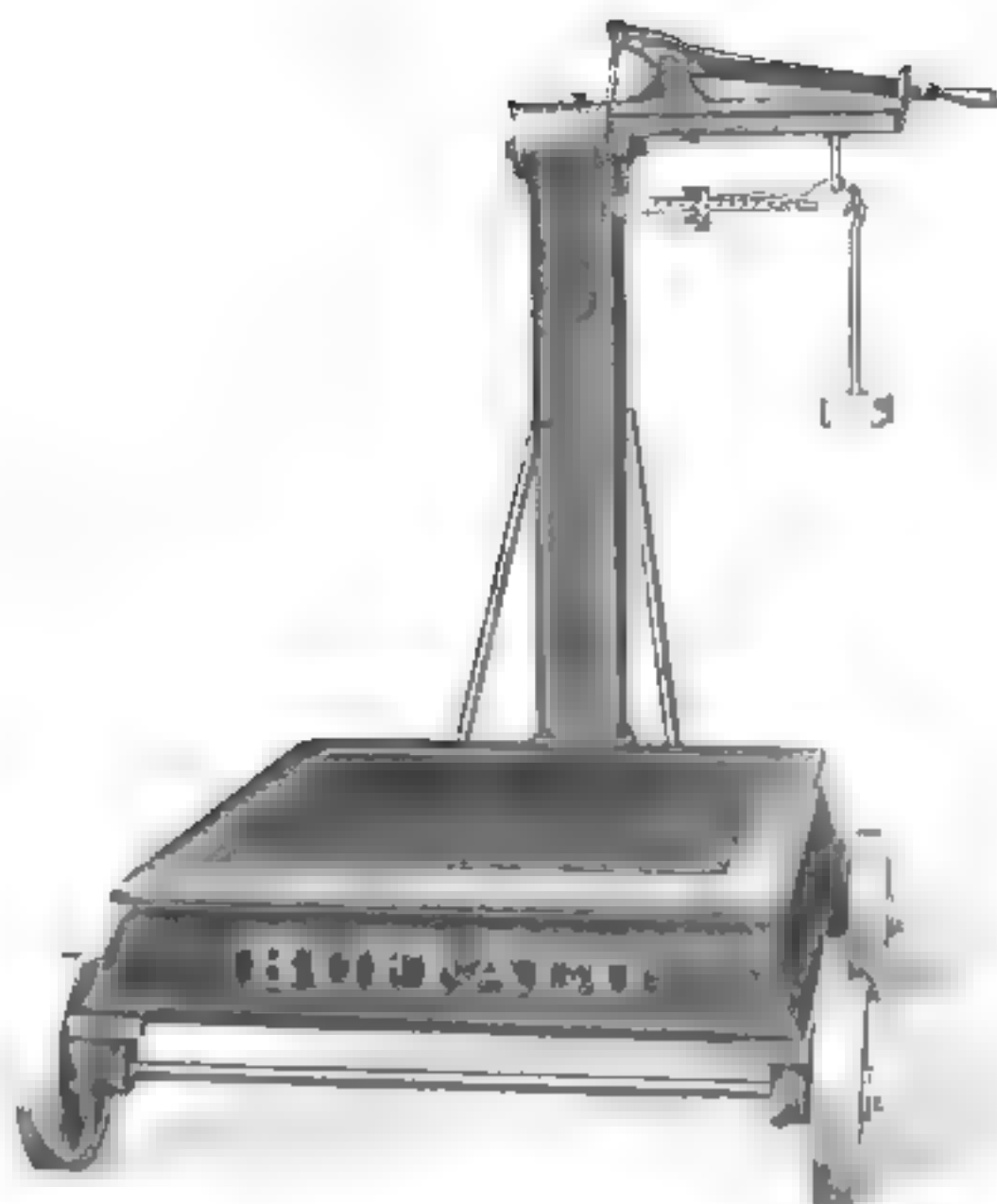
Upper bar graduated by 1-pound notches to 200 pounds; lower bar by 100-pound notches to 800 pounds.

### WITHOUT WHEELS

No.	Capacity	Platform	Price
1473	1000 lbs.	42 x 30 inches	\$80 00

### WITH WHEELS

1472	1000 lbs.	42 x 30 inches	\$85 00
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## IRON SCALES

WITH WHEELS. DROP LEVER

This scale is constructed especially for heavy work, and is warranted strong, accurate and durable. They are in general use in rolling mills, foundries and iron warehouses.

If hanging poise is wanted, order must so specify.

The beam is marked to 100 pounds by  $\frac{1}{2}$  pound marks on 2500-pound size, and the weights are 1 pound to 100 pounds.

4000 and 6000 pound sizes; beam, 200 pounds by 1 pound, and weights are  $\frac{1}{2}$  pound to 100 pounds

No.	Capacity	Platform	Price
1476	2500 lbs.	24 x 33 inches	\$105 00
1478	4000 lbs.	31 x 40 "	140 00
1480	6000 lbs.	31 x 40 "	165 00

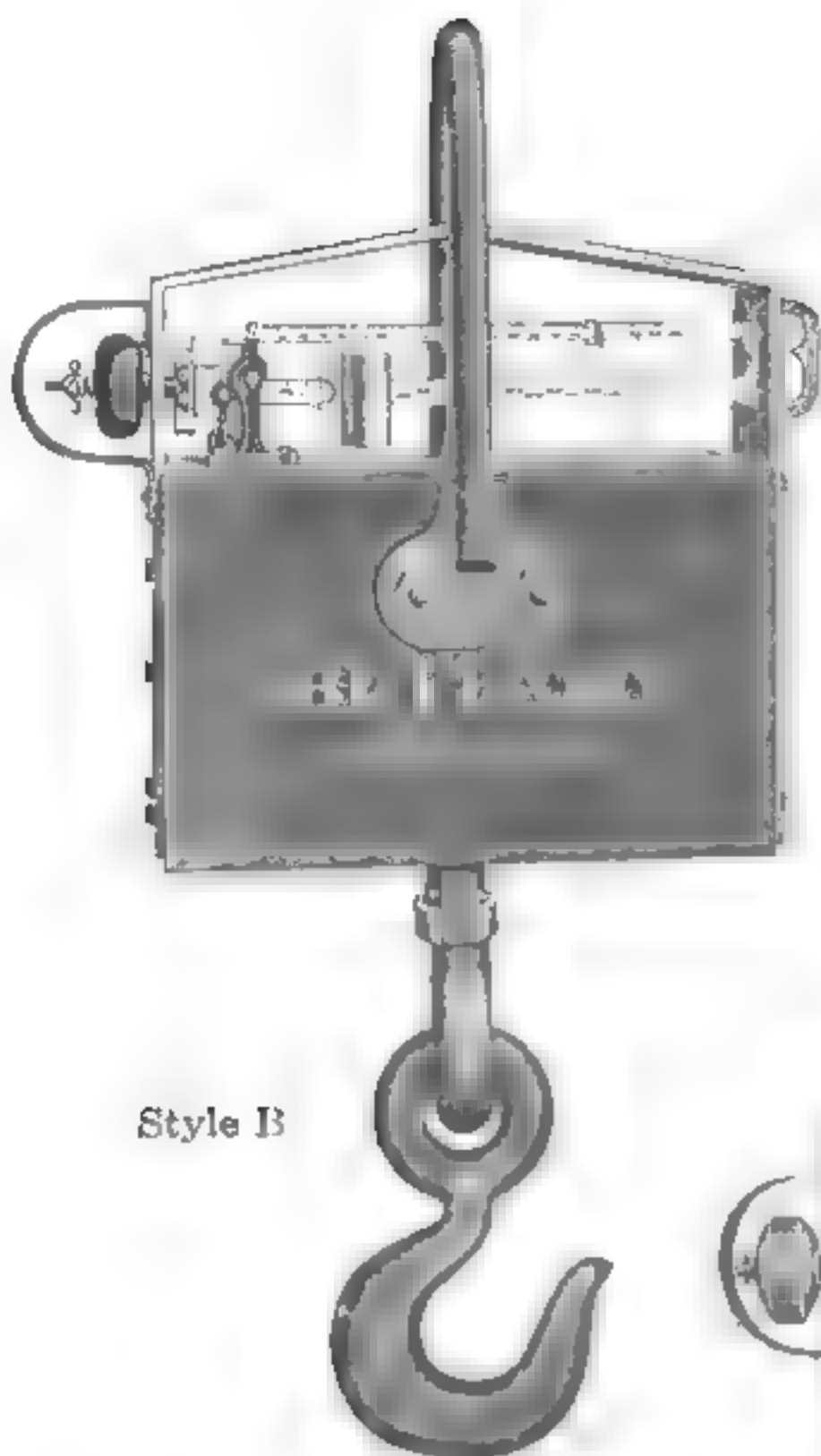


## PIG-IRON SCALES

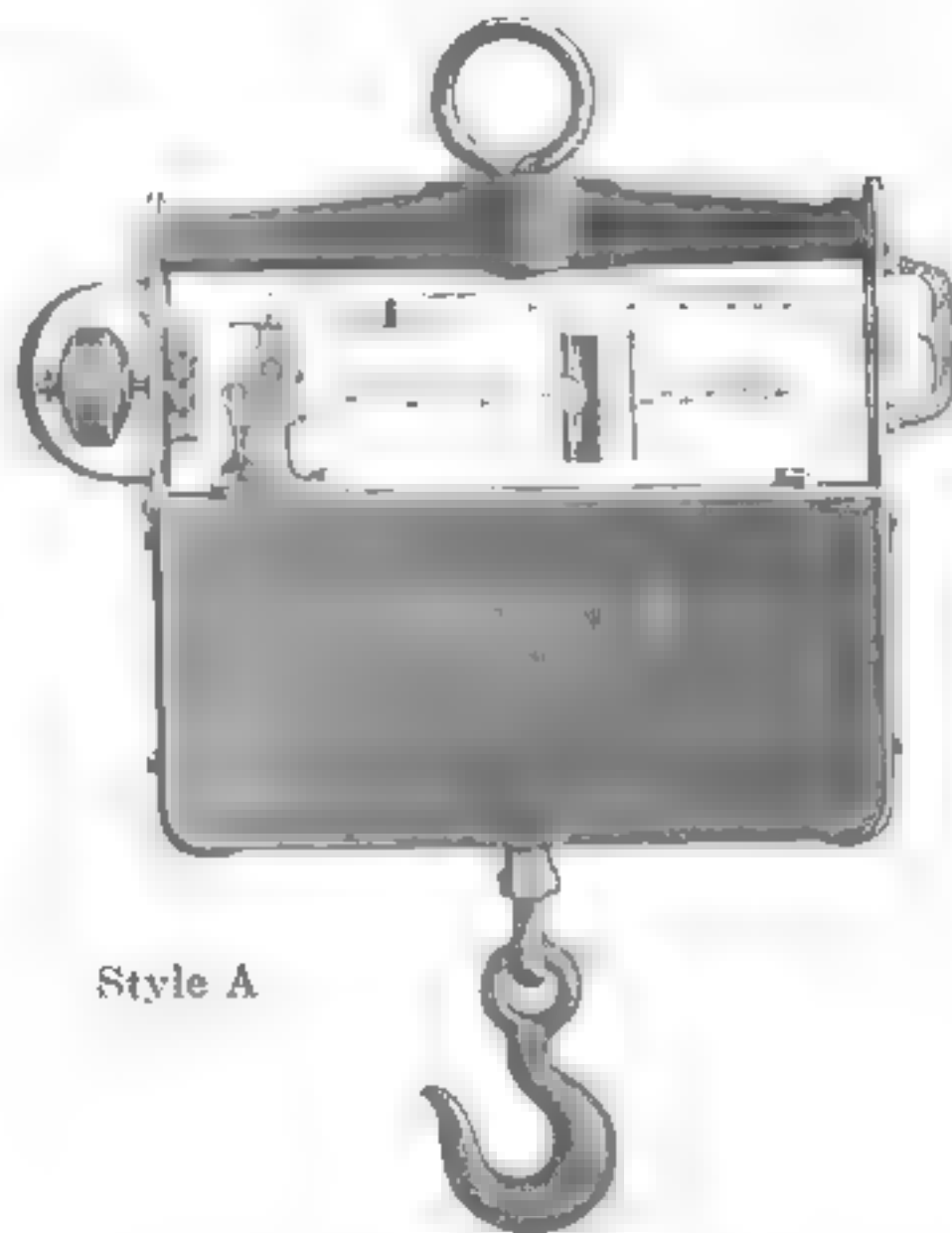
WITH DROP LEVER AND BRASS SLIDING POISE

This scale is made very heavy and constructed entirely of metal, and is especially designed for weighing pig iron and other metals. The beam is marked to 100 pounds by  $\frac{1}{2}$  pound marks. Weights,  $\frac{1}{2}$  pound to 100 pounds.

No.	Capacity	Platform	Price
1490	2500 by $\frac{1}{2}$ lbs.	24 x 38 inches	\$110 00
1492	3000 by $\frac{1}{2}$ lbs.	24 x 38 "	120 00



Style B



Style A

## SUSPENSION CRANE SCALES

For prices and description see page 79.

## SUSPENSION CRANE SCALES

Buffalo Crane Scales are compact suspended scales containing no springs, but are built upon a principle of leverage as used in platform, wagon or track scales.

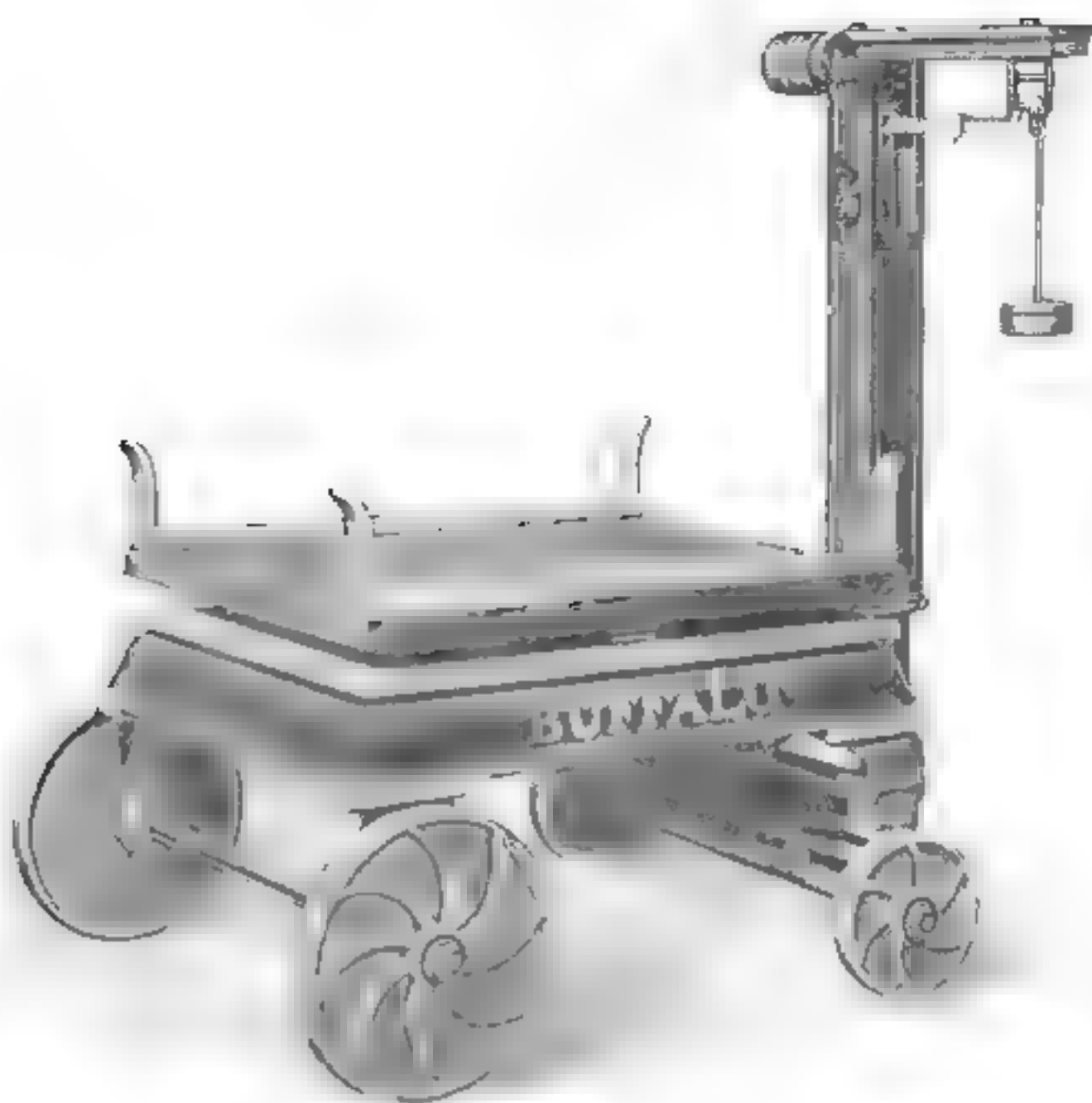
The portability and the high capacity of these scales makes their range of use wide.

They are most largely sold to steel works, foundries and machine shops, but they are also used in all departments of works and stores where heavy materials are handled with cranes.

There are no loose weights with these scales, the full capacity in all cases being marked upon the beam.

Prices for other sizes than those listed below will be furnished upon application.

Style	No.	Capacity	Height	Price
A	1479	1000 by 1 lb.	26 $\frac{1}{2}$ inches	\$ 80 00
A	1481	1500 by 1 lb.	26 $\frac{1}{2}$ "	85 00
A	1483	2000 by 1 lb.	27 "	90 00
A	1482	2500 by 2 lbs.	27 "	100 00
A	1484	5000 by 2 lbs.	36 "	160 00
A	1485	6000 by 2 lbs.	36 "	180 00
B	1486	8000 by 2 lbs.	48 "	220 00
B	1488	10000 by 2 lbs.	50 $\frac{1}{4}$ "	260 00
B	1497	16000 by 5 lbs.	53 $\frac{1}{4}$ "	300 00
B	1491	20000 by 5 lbs.	54 $\frac{3}{4}$ "	330 00
B	1499	25000 by 5 lbs.	54 $\frac{3}{4}$ "	360 00
B	1493	30000 by 5 lbs.	65 "	390 00
B	1495	40000 by 5 lbs.	65 "	490 00



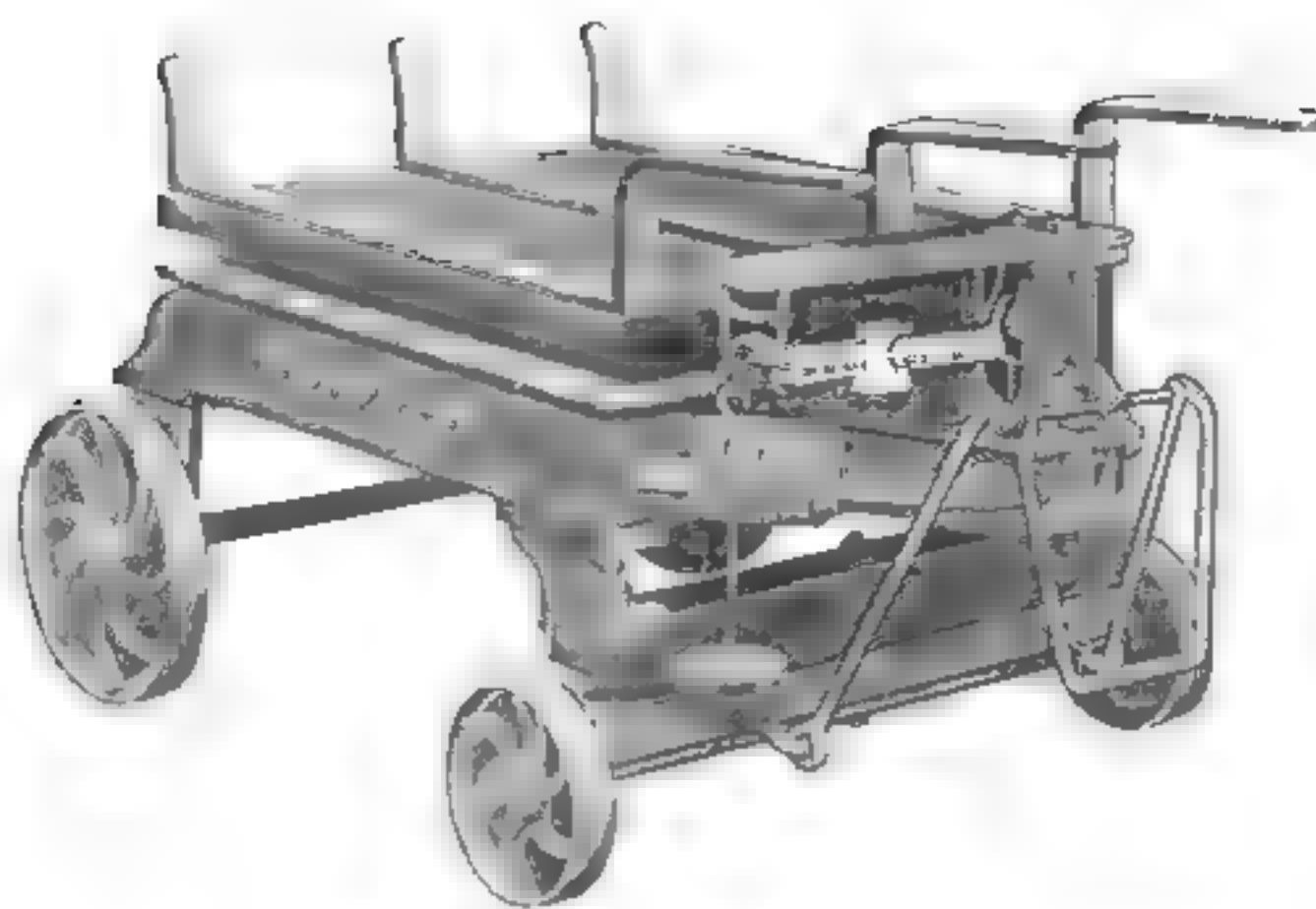
## ROLLING MILL SCALES

WITH VIBRATORY AXLE, RUBBER SPRING PLATFORM AND  
HEAVY WHEELS

This scale is constructed especially for heavy work, and is warranted strong, accurate and durable. They are in general use in rolling mills, foundries and iron warehouses. The beam is marked to 100 pounds by  $\frac{1}{2}$  pounds. Weights, 1 pound to 100 pounds on 2500-pound size; 4000 to 12,000 pound sizes, beam, 200 pounds by 1 pound, and weights,  $\frac{1}{2}$  pound to 100 pounds.

If hanging poise is wanted, order must so specify.

No.	Capacity	Platform	Height of Platform	Price
1494	2500 by $\frac{1}{2}$ lbs.	24 $\frac{1}{2}$ x 32 inches	23 inches	\$125 00
1496	4000 by 1 lbs.	31 x 40 "	26 "	160 00
1498	6000 by 1 lbs.	31 x 40 "	26 "	185 00
1500	8000 by 1 lbs.	31 x 40 "	28 "	210 00
1502	10000 by 1 lbs.	31 x 40 "	28 "	225 00
1504	12000 by 1 lbs.	31 x 40 "	28 "	240 00



## ROLLING MILL SCALES

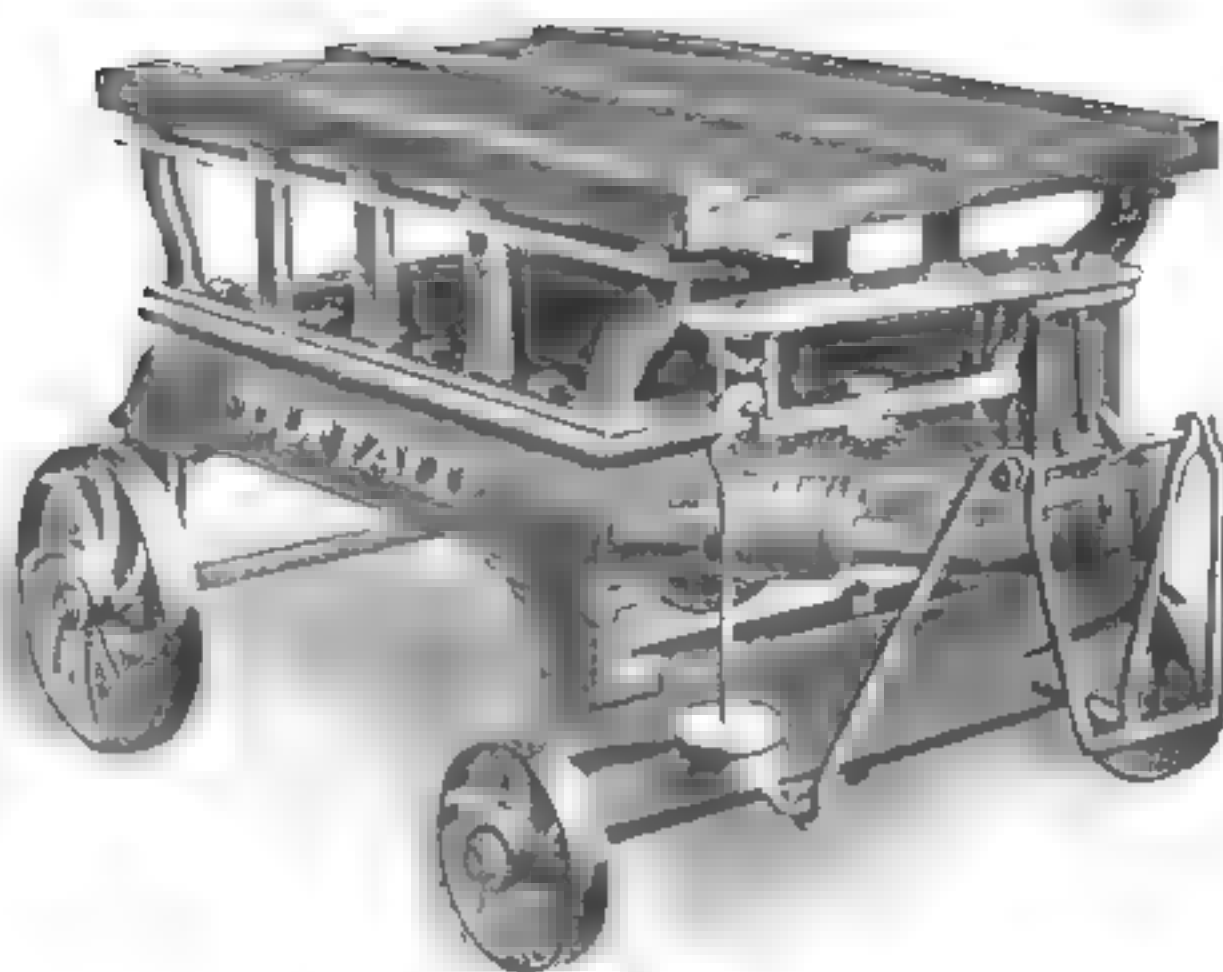
WITH SHORT IRON PILLAR, VIBRATORY AXLE, RUBBER  
SPRING PLATFORM AND HEAVY WHEELS

This scale has long projecting bars over the beam and weights, so that large plates and bars of iron may be passed over the scale.

The beam is marked to 100 pounds by  $\frac{1}{2}$  pounds; weights, 1 pound to 100 pounds on 2500-pound size; 4000 to 12,000-pound sizes, beam, 200 pounds by 1 pound, and weights,  $\frac{1}{2}$  pound to 100 pounds.

No.	Capacity	Platform	Height of Platform	Price
1506	2500 by $\frac{1}{2}$ lbs.	24 $\frac{1}{2}$ x 32 inches	23 inches	\$125 00
1508	4000 by 1 lbs.	31 x 40 "	26 "	160 00
1510	6000 by 1 lbs.	31 x 40 "	26 "	185 00
1512	8000 by 1 lbs.	31 x 40 "	28 "	210 00
1514	10000 by 1 lbs.	31 x 40 "	28 "	225 00
1516	12000 by 1 lbs.	31 x 40 "	28 "	240 00



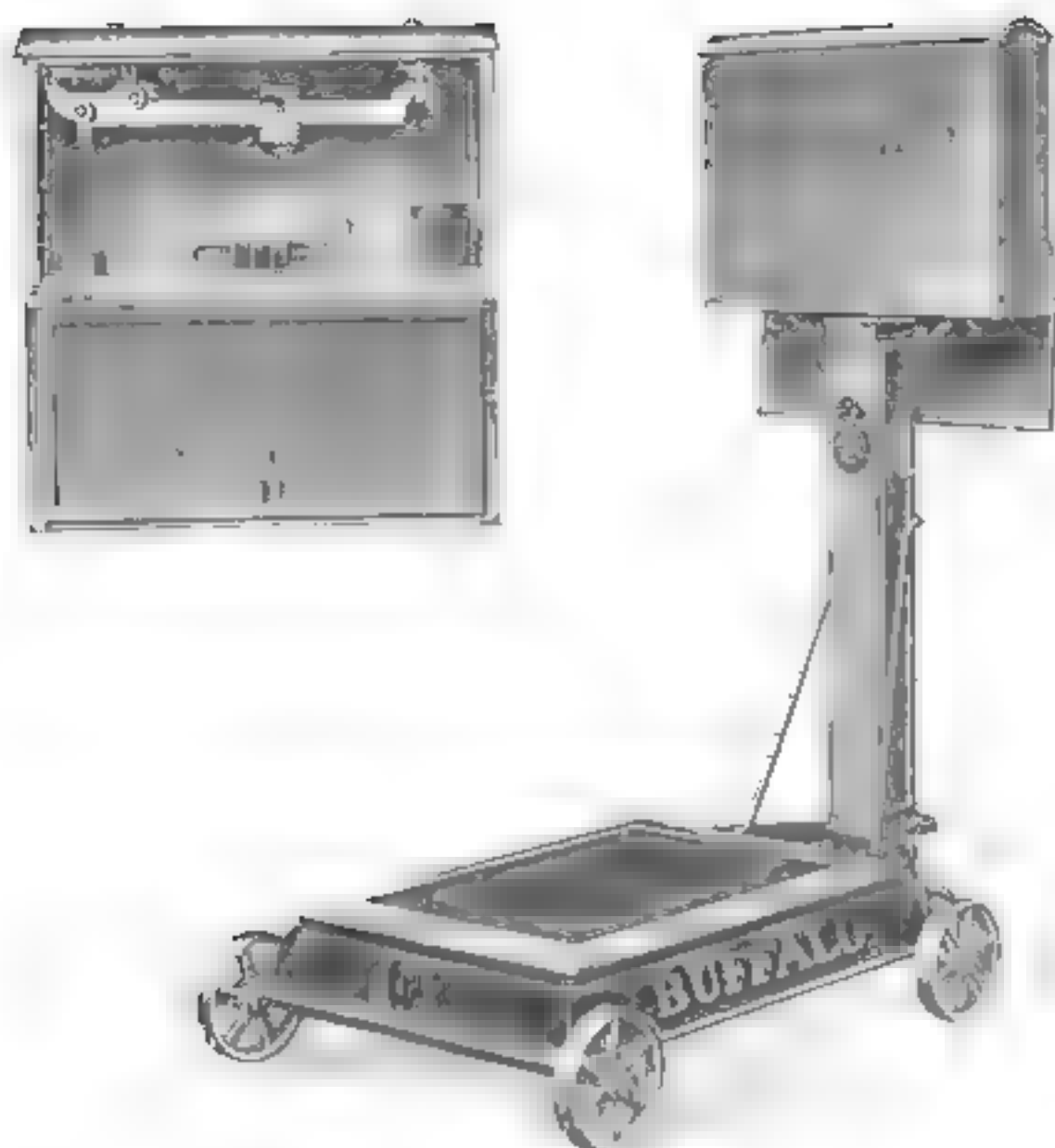


## MONITOR ROLLING MILL SCALES

WITH SHORT IRON PILLAR, VIBRATORY AXLE, RACK,  
RUBBER SPRING PLATFORM AND HEAVY WHEELS

Especially adapted for weighing bar iron or large plates of iron and steel. The beam is marked to 200 pounds by 1-pound marks. Weights,  $\frac{1}{2}$  pound to 100 pounds.

No.	Capacity	Platform	Height	Price
1518	4000 by 1 lbs.	33 x 50 inches	2 feet 10 inches	\$180 00
1520	6000 by 1 lbs.	33 x 50 "	2 " 10 "	210 00
1522	8000 by 1 lbs.	33 x 50 "	2 " 10 "	235 00
1524	10000 by 1 lbs.	33 x 50 "	2 " 11 "	260 00
1526	12000 by 1 lbs.	33 x 50 "	2 " 11 "	285 00
1528	15000 by 1 lbs.	33 x 50 "	2 " 11 "	315 00



## FREIGHT SCALES

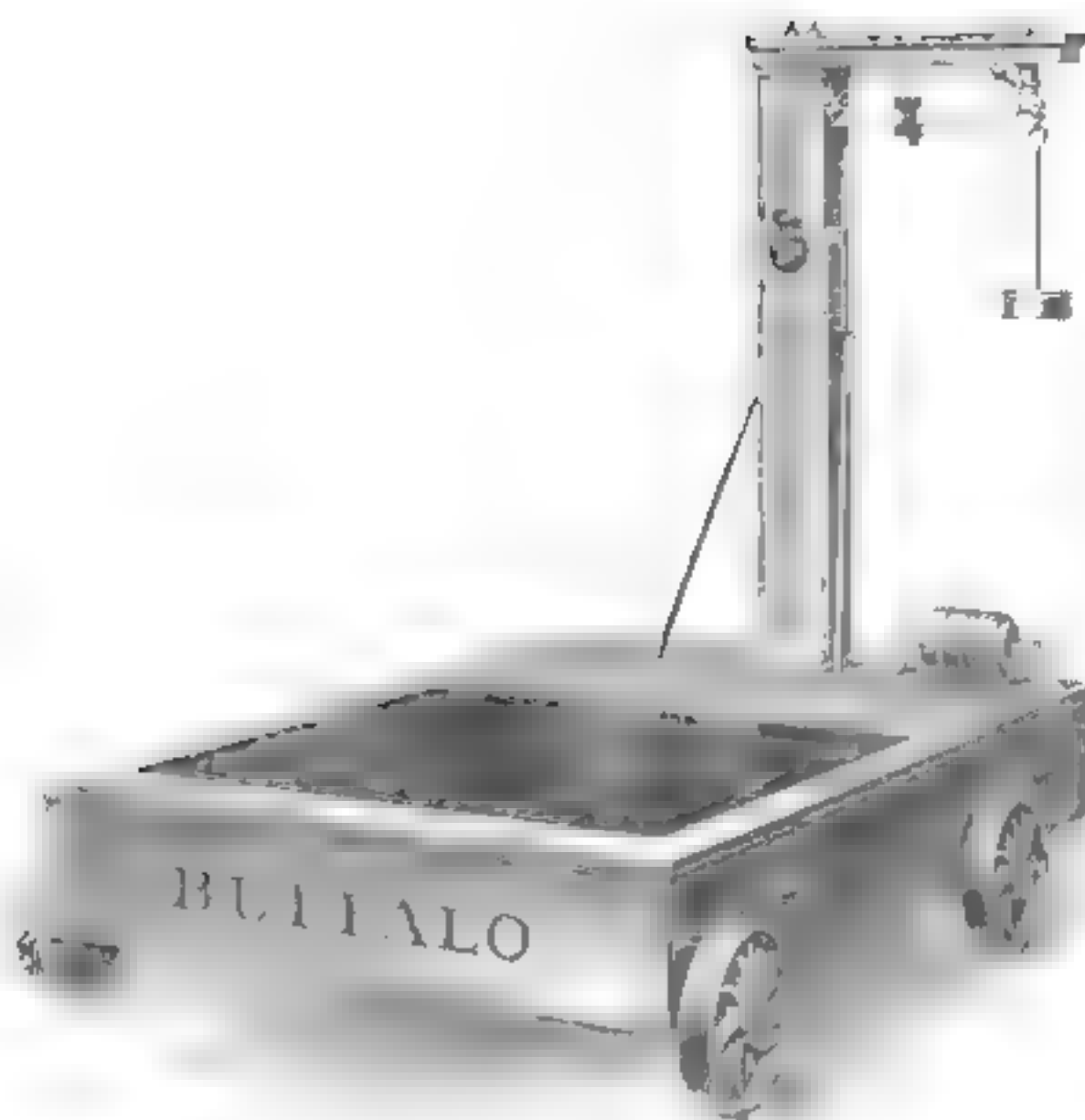
An iron box so made as to shed water, preserves the beam and weights. The platform is covered with a wrought-iron plate, and the whole scale is heavily made and adapted for rough usage.

### WITH WHEELS

No.	Capacity	Platform	Price
1533	2000 by 1 lbs.	25 x 33 inches	\$ 98 00
1534	2500 by 1 lbs.	26 x 34 "	110 00
1536	3000 by 1 lbs.	30 x 38 "	150 00

### WITHOUT WHEELS

1529	2000 by 1 lbs.	25 x 33 inches	\$ 88 00
1531	2500 by 1 lbs.	26 x 34 "	100 00
1532	3000 by 1 lbs.	30 x 38 "	140 00



## PORTABLE WAREHOUSE SCALES

WITH OR WITHOUT DROP LEVER

If drop lever is wanted order should so specify.

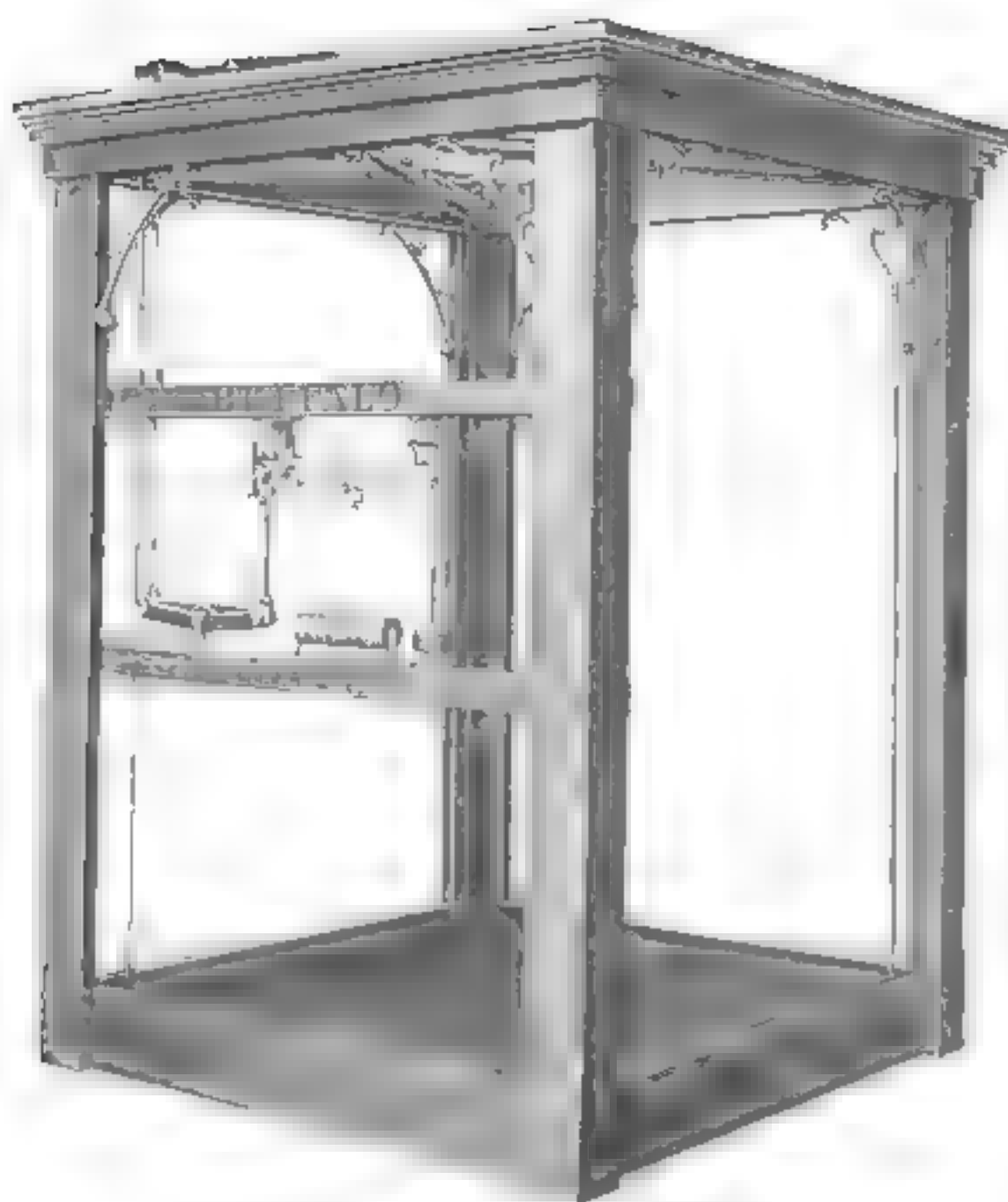
Hardwood box. Strong wheels and axles. Adapted for heavy work. Beam on 2000 to 4000-pound sizes is marked to 100 pounds by  $\frac{1}{2}$ -pound marks; weights, 1 pound to 100 pounds. 5000 and 6000 pound sizes, 200 pounds by 1-pound marks. Weights,  $\frac{1}{2}$  pound to 100 pounds.

### WITH WHEELS

No.	Capacity	Platform	Price
1538	2000 by $\frac{1}{2}$ lbs.	36 x 28 inches	\$ 78 00
1540	2500 by $\frac{1}{2}$ lbs.	37 x 36 "	105 00
1541	2500 by $\frac{1}{2}$ lbs.	46 x 37 "	105 00
1542	3000 by $\frac{1}{2}$ lbs.	44 x 35 "	115 00
1544	3500 by $\frac{1}{2}$ lbs.	44 x 42 "	125 00
1545	4000 by $\frac{1}{2}$ lbs.	55 x 49 "	165 00
1546	5000 by 1 lbs.	50 x 48 "	185 00

### WITHOUT WHEELS

1550	2000 by $\frac{1}{2}$ lbs.	36 x 28 inches	\$ 68 00
1551	2500 by $\frac{1}{2}$ lbs.	46 x 37 "	95 00
1552	2500 by $\frac{1}{2}$ lbs.	37 x 36 "	95 00
1554	3000 by $\frac{1}{2}$ lbs.	44 x 35 "	100 00
1556	3500 by $\frac{1}{2}$ lbs.	44 x 42 "	110 00
1557	4000 by $\frac{1}{2}$ lbs.	55 x 49 "	150 00
1558	5000 by 1 lbs.	50 x 48 "	170 00



## PORTABLE SUSPENSION SCALES

WITH WOODWORK COMPLETE. POSTS EIGHT FEET HIGH

May be set into floor like "Dormant," and have platform level with floor. Double beam, upper bar marked to 100 pounds by  $\frac{1}{2}$ -pound marks. Lower bar, 200 pounds by 1-pound marks. Weights,  $\frac{1}{2}$  pound to 100 pounds.

No.	Capacity	Platform	Price
1590	4000 by $\frac{1}{2}$ lbs.	5 x 5 feet	\$183 00
1592	With zinc weights	.....	187 00
1594	With brass weights	.....	208 00



## SUSPENSION BUTCHERS' SCALES

WITH DOUBLE BEAM AND SLIDING POISES

Beam graduated to 100 pounds by  $\frac{1}{2}$ -pound divisions on each bar.

This scale is designed for weighing all articles handled on a suspended track, such as dressed beef, hogs, buckets of coal, etc.

A section of track is cut out and attached to the scale, which is placed above.

Price includes extension lever not over 6 feet long; when over 6 feet long but not exceeding 10 feet, price, extra, \$10.00; over 10 feet long, price on application.

Special sizes made to order.

## SUSPENSION BUTCHERS' SCALES

When ordering give the following information:

Distance top of track to bottom of ceiling.

Distance center of track to face of wall where beam is to be located.

Size of track used and thickness.

Diameter of rollers used.

Whether beam is to be on shelf as shown or in beam box.

Unless otherwise specified, suspension butchers' scales are furnished with extension lever 6 feet long, and suspension rods of proper length to make distance from top of track to ceiling 24 inches.

### SINGLE TRACK

No.	Capacity	Track	Price
1566	2000 lbs.	Single, 4 feet	\$100 00
1568	2500 lbs.	Single, 5 feet	125 00
1570	3000 lbs.	Single, 6 feet	150 00
1572	3500 lbs.	Single, 7 feet	175 00

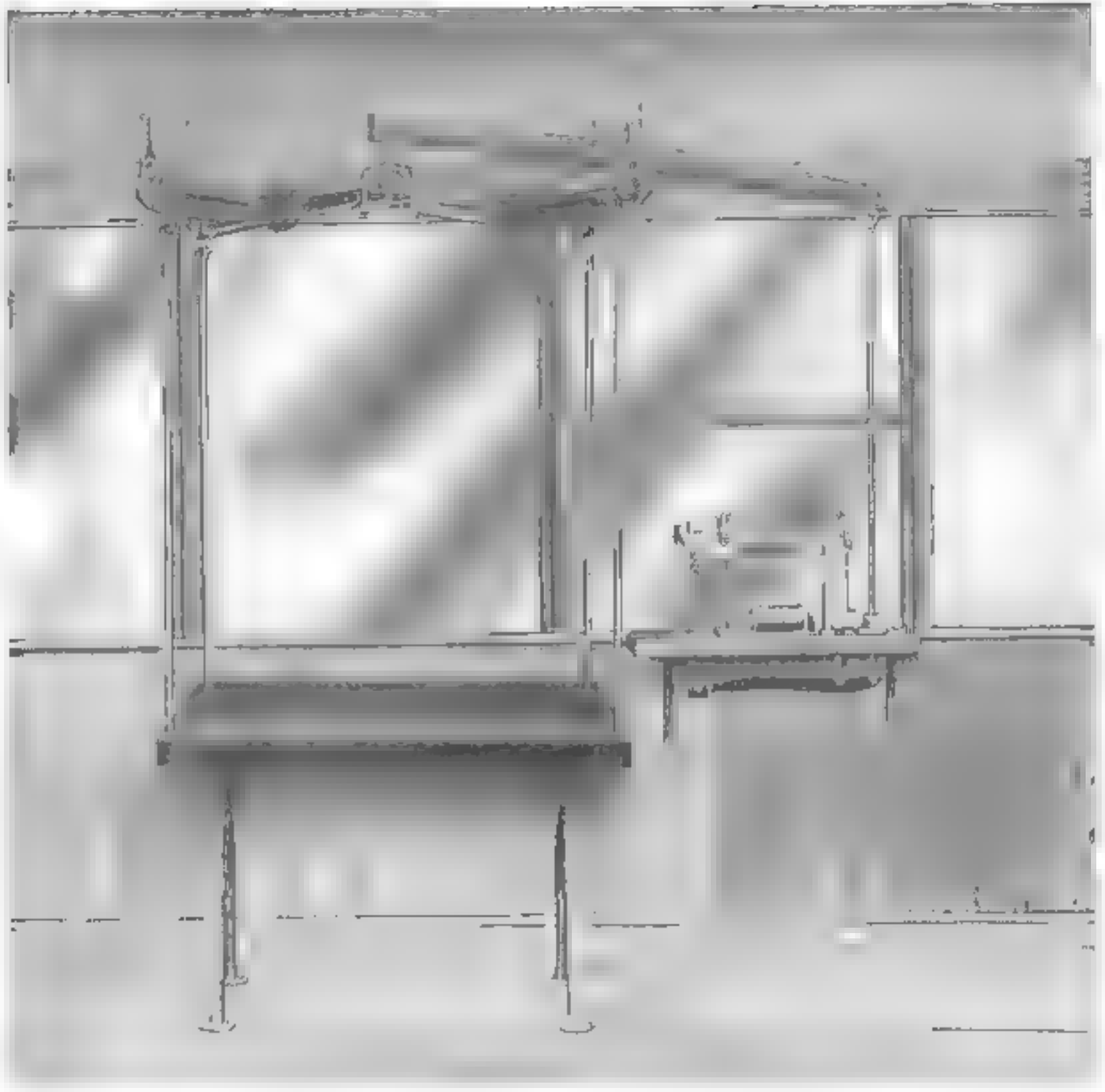
### DOUBLE TRACK

No.	Capacity	Track	Price
1574	2000 lbs.	4 feet	\$130 00
1575	2000 lbs.	5 feet	160 00
1576	2500 lbs.	5 feet	170 00
1578	3000 lbs.	6 feet	190 00
1579	3000 lbs.	7 feet	220 00
1580	3500 lbs.	7 feet	230 00

### BRASS TRIMMINGS, COMPLETE, EXTRA

For scales 2,000 and 2,500 pounds capacity . . . \$30 00

For scales 3,000 and 3,500 pounds capacity . . . 40 00



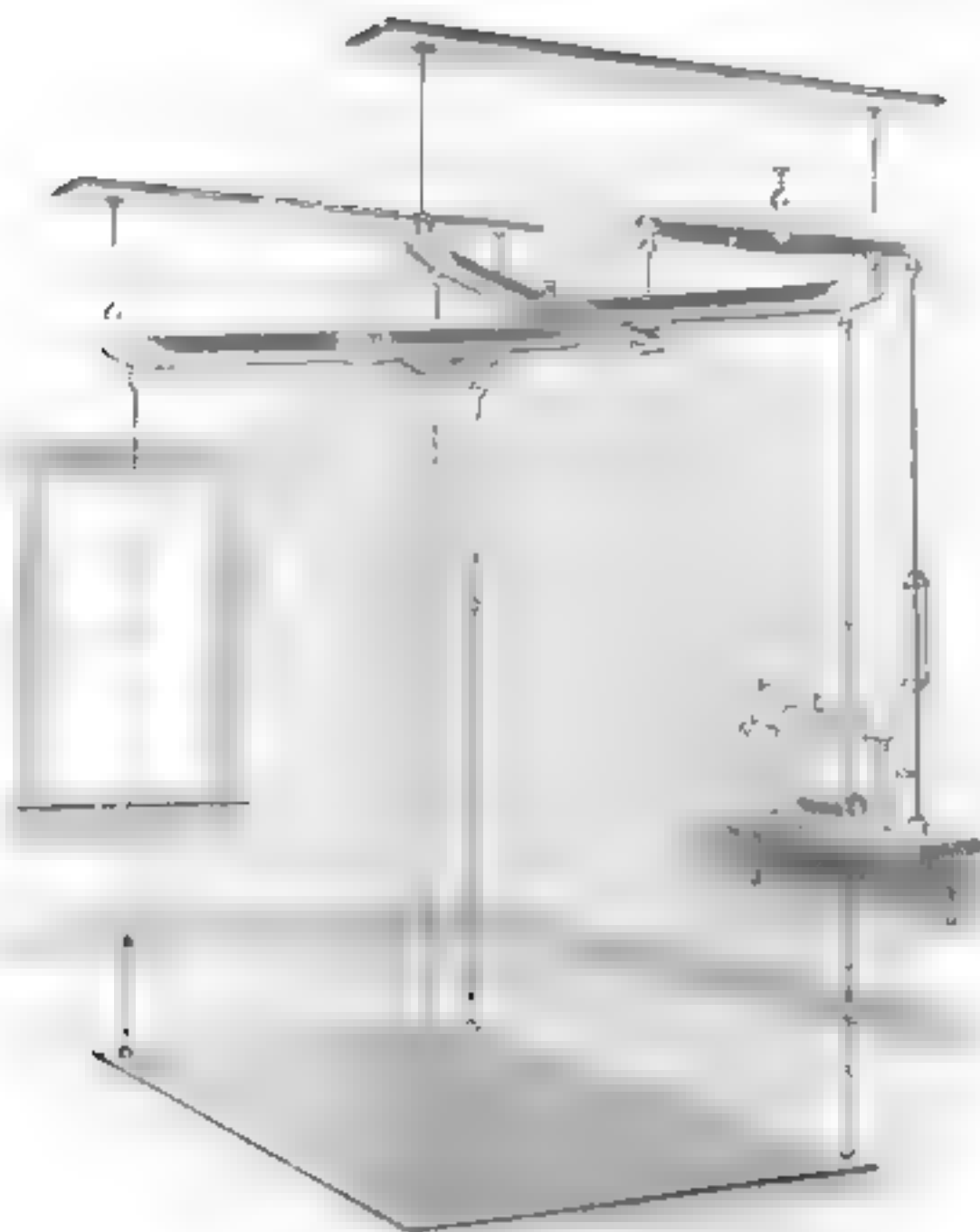
## PACKING HOUSE SCALES

This scale is designed especially for use in packing houses, where it is necessary to have platform in room separate from beam. Regular lever is 4 feet 6 inches long, but beam may be carried any distance required. An extra charge will be made for special extension lever. Furnished with beam box or with iron goose-necks for beam, as desired.

Size of platform, 42 x 42 inches. Height from floor to top of platform, 30 inches, and from top of platform to ceiling, 6 feet, unless otherwise ordered. Double beam. Other sizes made to order.

No.	Capacity	Price
1604	1000 by $\frac{1}{2}$ lbs.	\$125 00





## HIDE SCALES

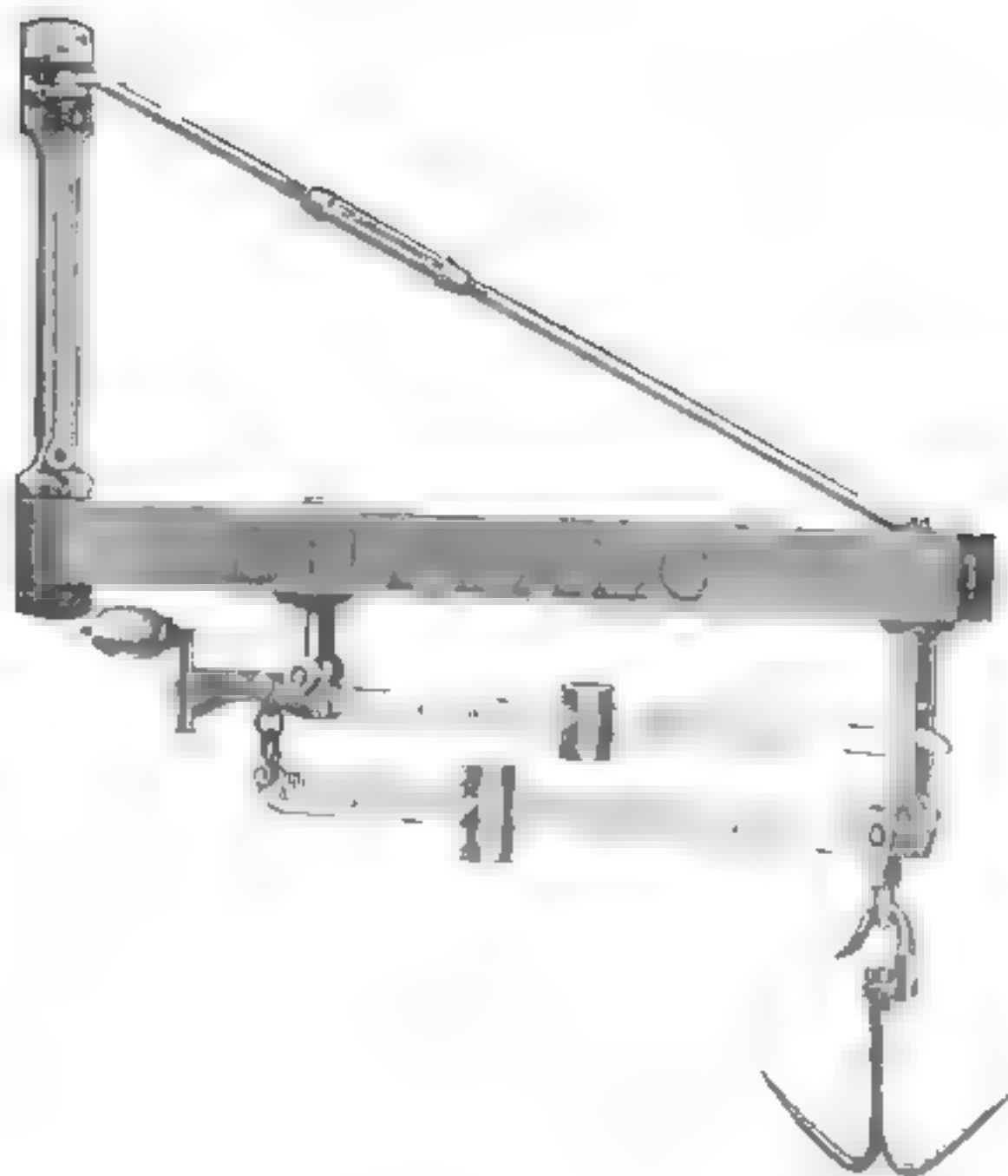
(Beam by ½-pound marks)

The scale is hung from ceiling or overhead framework, with the platform suspended in the floor below, and the beam placed convenient to platform. Designed for hide dealers; it is also well adapted for weighing merchandise which is saturated with salt, or where an ordinary scale would be injured by dampness, causing it to rust. Prices include shelf and brackets but do not include wood platform or outside frame, which will be quoted on application.

No	Capacity	Price Single Beam	Price Double Beam
1584	4,000 lbs.	\$125 00	\$133.00

Size of Platform. . . .  
Size of Platform between rods .

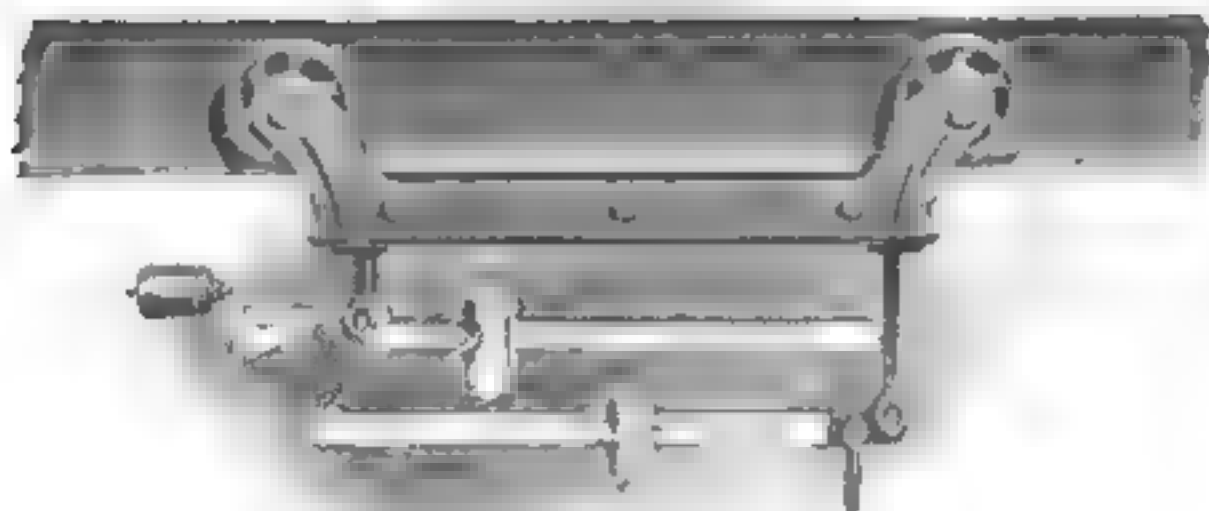
. . 5 ft. 3 in. x 5 ft. 6 ½ in.  
5 ft. x 5. ft.



## REVERSE-ACTING MEAT BEAM

This is a beam of unusually strong and simple construction. It is made to be attached to a post or wall. When not in use it may be swung aside. The beams and poises are of brass, nickel plated. No loose weights are required, as the full capacity is weighed with the sliding poises. The beams are marked on both sides.

No.	Length	Capacity	Price
1598	47 inches	1100 x $\frac{1}{2}$ lbs.	350 00
1600	38 "	600 x $\frac{1}{2}$ lbs.	40 00
1602	32 "	250 x $\frac{1}{2}$ lbs.	35 00

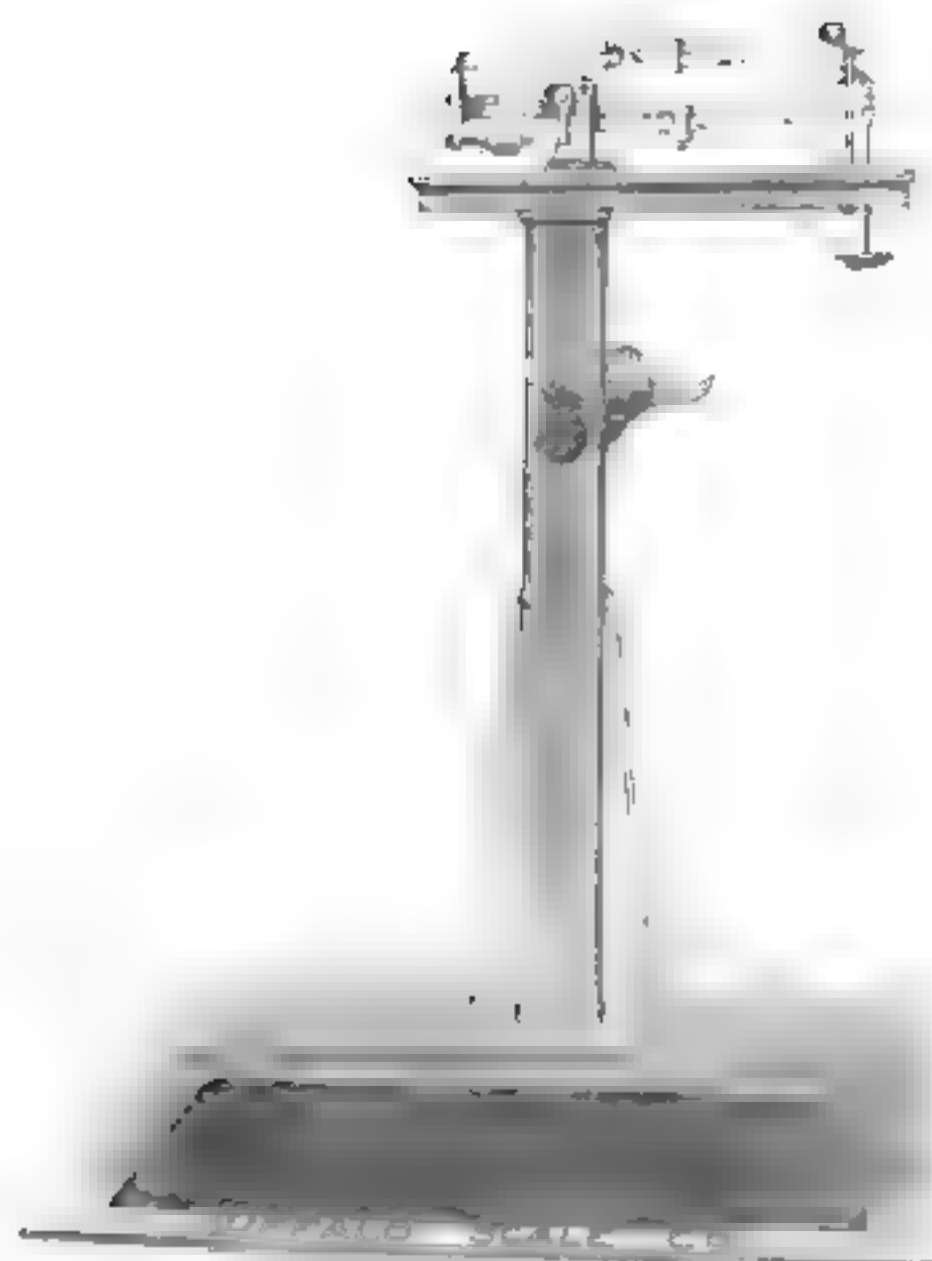


## SUSPENSION TROLLEY SCALE

The scale illustrated above is used in connection with an overhead track, usually an I beam track as shown.

The scale may be equipped with hooks, or a bucket may be attached for conveying and weighing materials fine enough to be so handled. No loose weights are required, the full capacity being indicated by the poises.

No.	Capacity	Price
1582	650 by $\frac{1}{4}$ lbs.	\$65 00

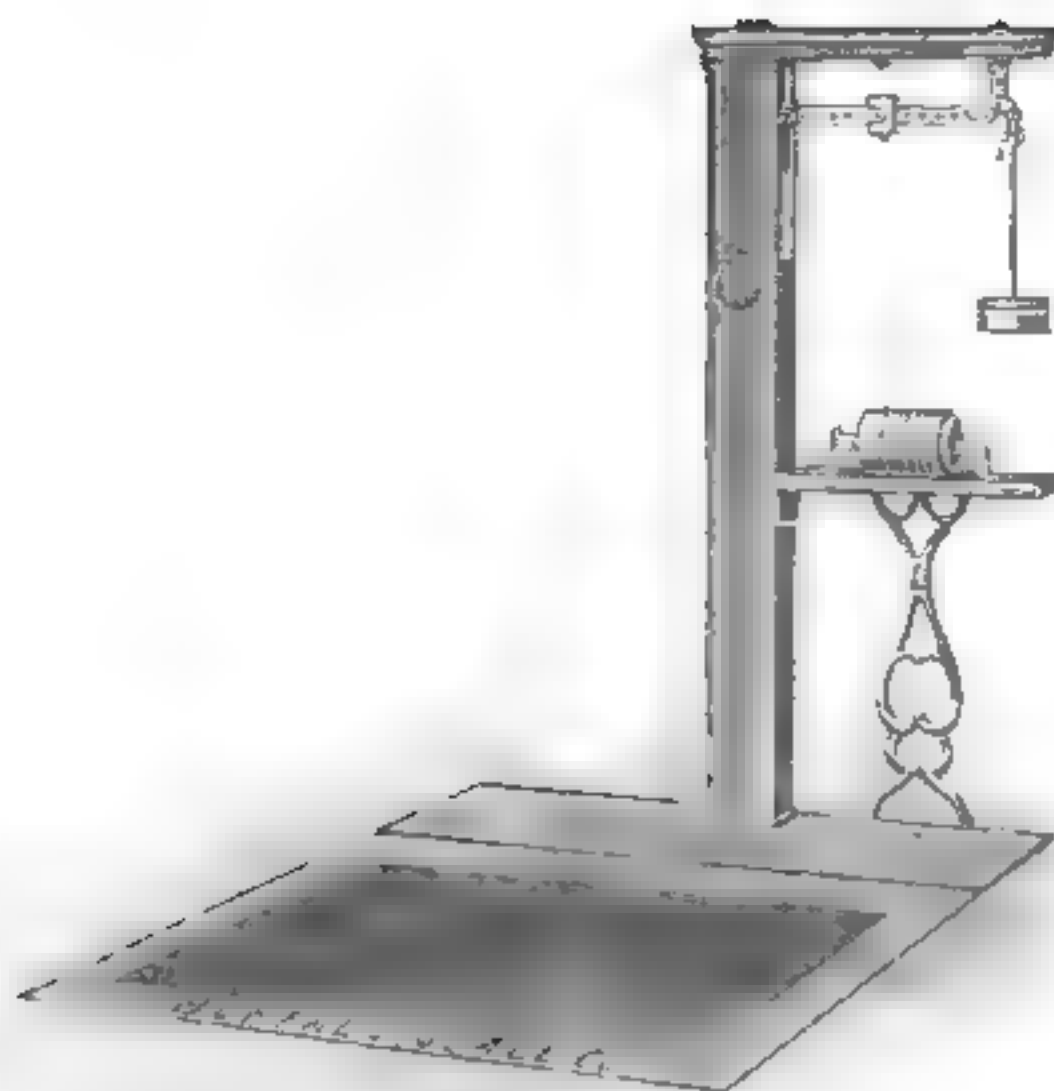


## OIL SCALE

This scale weighs by the gallon and by pounds, and has been constructed especially to meet the requirements of oil dealers according to their suggestions. It has tare beam.

In ordering, state how many pounds to the gallon scale should indicate.

No.	Capacity	Gallons	Platform	Price
1606	1200 lbs.	60	42 x 30 inches	\$84 00



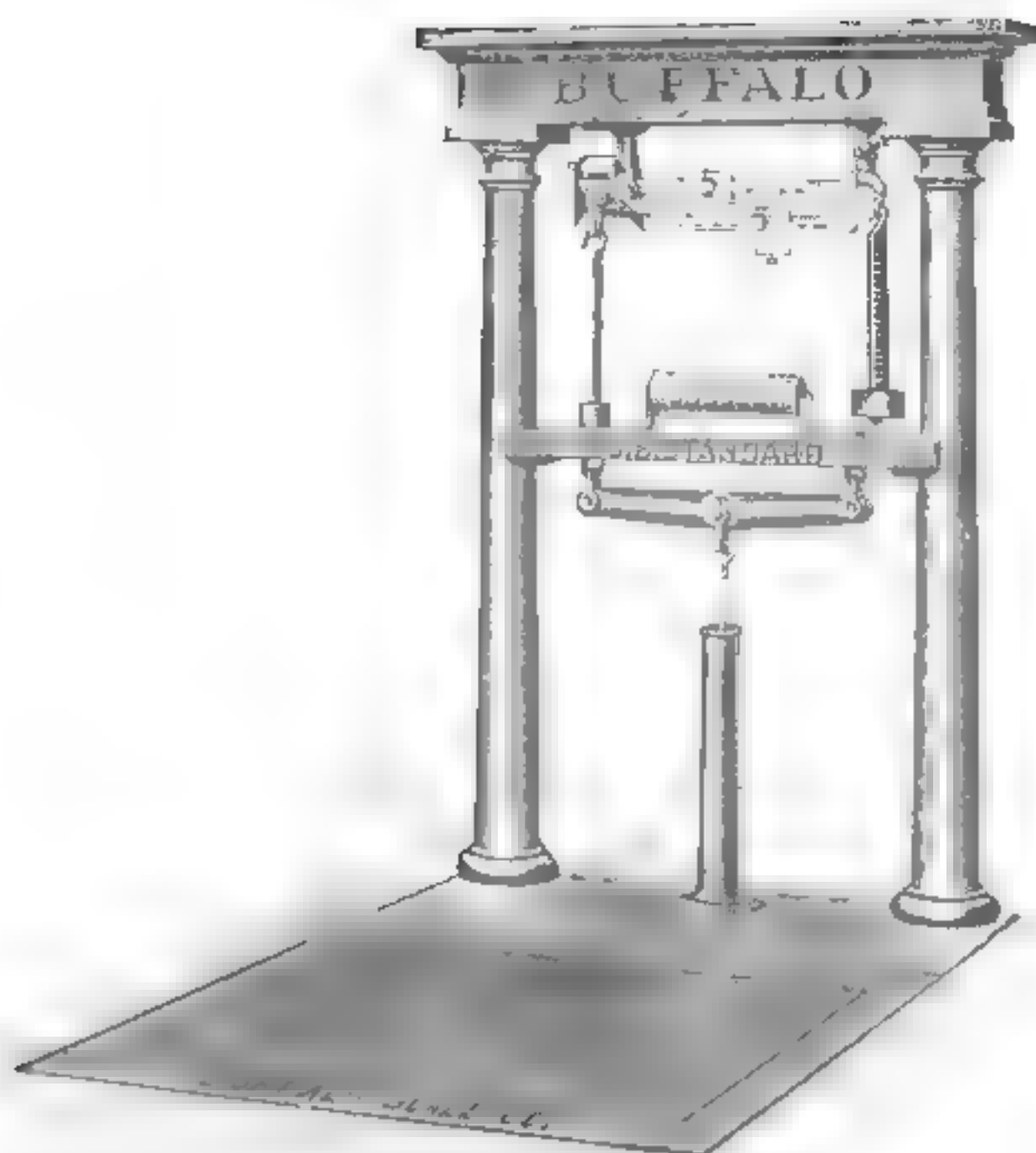
## SINGLE-PILLAR DORMANT SCALES

With or without drop lever. If drop lever is wanted order should so specify. For ordinary uses we recommend scale without drop lever.

These scales are of the iron frame pattern, the levers being hung from a solid iron frame which caps the top of the box. This feature and the heavy construction of Buffalo Dormant Scales make them particularly accurate and durable.

For dimensions of opening required for any Buffalo Dormant Scale, also illustration showing how same should be installed, see pages 96 and 97. Plan for setting any Dormant Scale in concrete will be furnished upon application.

No	Capacity	Platform	Platform to Pillars	Price
1700	1200 by $\frac{1}{2}$ lbs.	20 x 28 inches	8 $\frac{1}{4}$ inches	\$ 58 00
1702	1500 by $\frac{1}{2}$ lbs.	21 x 31 "	8 "	68 00
1704	2000 by $\frac{1}{2}$ lbs.	42 x 30 "	8 $\frac{1}{2}$ "	78 00
1705	2000 by $\frac{1}{2}$ lbs.	44 x 35 "	8 $\frac{1}{2}$ "	87 00
1706	2500 by $\frac{1}{2}$ lbs.	37 x 36 "	15 "	92 00
1708	2500 by $\frac{1}{2}$ lbs.	46 x 37 "	12 $\frac{1}{4}$ "	92 00
1710	3500 by $\frac{1}{2}$ lbs.	42 x 44 "	13 "	105 00
1709	3500 by $\frac{1}{2}$ lbs.	42 x 44 "	Ext. long neck, 24-in.	113 00
1711	4000 by $\frac{1}{2}$ lbs.	55 x 49 "	15 "	130 00
1712	5000 by $\frac{1}{2}$ lbs.	50 x 48 "	24 "	150 00
1713	6000 by $\frac{1}{2}$ lbs.	60 x 54 "	13 "	190 00



## TWO-PILLAR DORMANT SCALES

### IRON FRAME

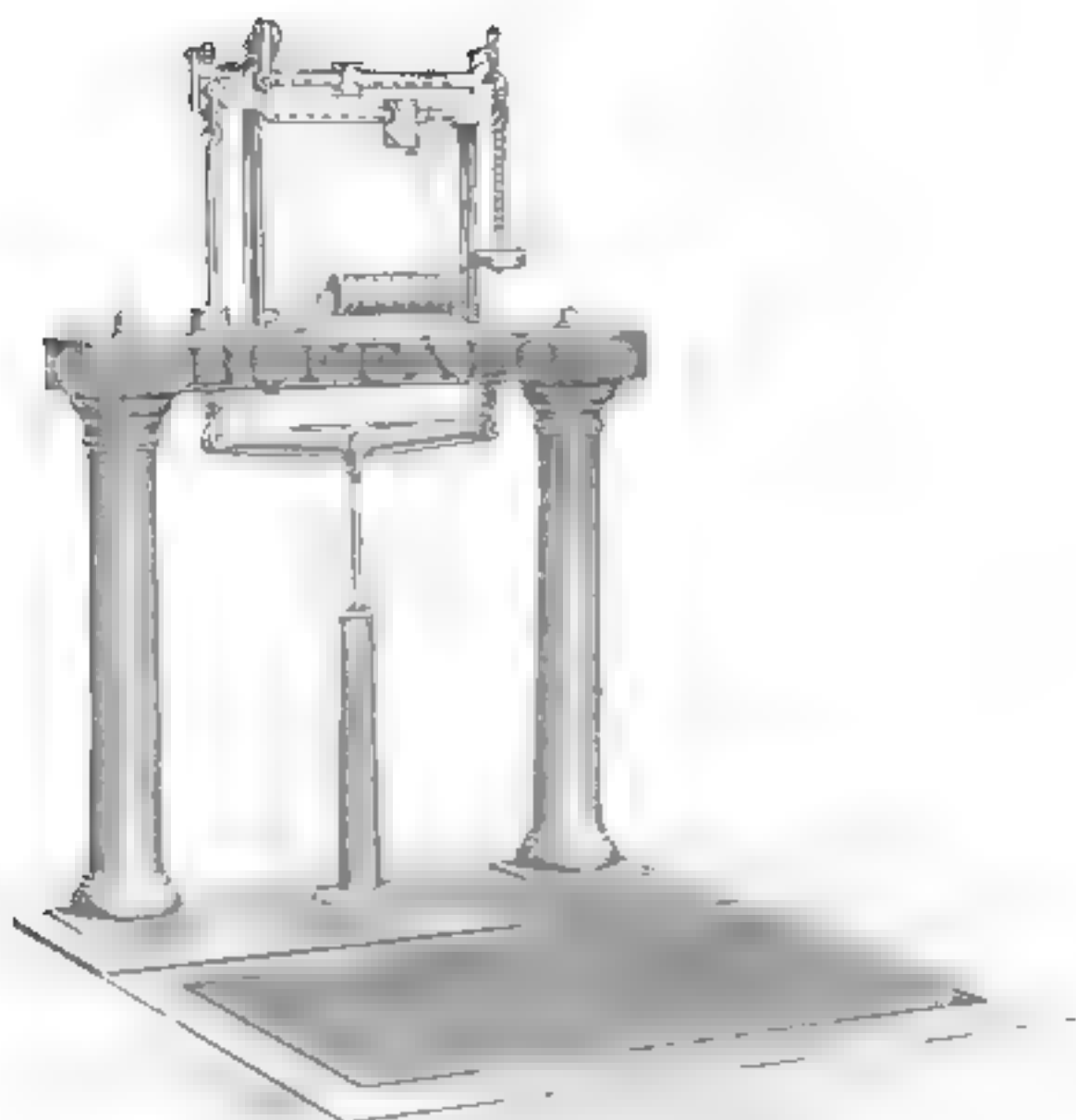
If with double beam and graduated counterpoise, \$5.00 list extra. The pillars of these scales are bronzed, and the finish is elegant in every particular.

These scales are of the iron frame pattern, the levers being hung from a solid iron frame which caps the top of the box. This feature and the heavy construction of Buffalo Dormant Scales make them particularly accurate and durable.

For dimensions of opening required for any Buffalo Dormant Scale, also illustration showing how same should be installed, see pages 96 and 97. Plan for setting any Dormant Scale in concrete will be furnished upon application.

Extra for Compound Beam, \$20.00 list.

No.	Capacity	Platform	Platform to Pillars	Price
1715B	1200 by $\frac{1}{2}$ lbs.	42 x 30 inches	8 inches	\$96 00
1717B	1500 by $\frac{1}{2}$ lbs.	42 x 30 "	8 "	99 00
1718	2000 by $\frac{1}{2}$ lbs.	44 x 35 "	7 $\frac{3}{4}$ "	100 00
1719	2500 by $\frac{1}{2}$ lbs.	37 x 36 "	14 "	105 00
1721	2500 by $\frac{1}{2}$ lbs.	46 x 37 "	11 $\frac{1}{2}$ "	105 00
1723	3500 by $\frac{1}{2}$ lbs.	42 x 44 "	12 "	125 00
1725	3500 by $\frac{1}{2}$ lbs.	42 x 44 "	Ex. long neck 24"	133 00
1724	4000 by $\frac{1}{2}$ lbs.	55 x 49 "	15 inches	160 00
1727	5000 by $\frac{1}{2}$ lbs.	50 x 48 "	23 "	170 00
1729	6000 by $\frac{1}{2}$ lbs.	60 x 54 "	13 "	260 00



## SHORT-PILLAR DORMANT SCALES

### IRON FRAME

With short pillars, as shown in cut. Hardwood shelf and upright standards, otherwise it is the same as our two-pillar Dormant Scale.

These scales are of the iron frame pattern, the levers being hung from a solid iron frame which caps the top of the box. This feature and the heavy construction of Buffalo Dormant Scales make them particularly accurate and durable.

For dimensions of opening required for any Buffalo Dormant Scale, also illustration showing how same should be installed, see pages 96 and 97. Plan for setting any Dormant Scale in concrete will be furnished upon application.

Extra for Compound Beam, \$20.00 list.

Extra for Double Beam, \$8.00 list.

No.	Capacity	Platform	Platform to Pillars	Price
1730	1200 by $\frac{1}{2}$ lbs.	42 x 30 inches	8 inches	\$ 89 00
1732	1500 by $\frac{1}{2}$ lbs.	42 x 30 "	8 "	93 00
1731B	2000 by $\frac{1}{2}$ lbs.	44 x 35 "	$7\frac{3}{4}$ "	98 00
1733	2500 by $\frac{1}{2}$ lbs.	37 x 36 "	14 "	103 00
1735	2500 by $\frac{1}{2}$ lbs.	46 x 37 "	$11\frac{1}{2}$ "	103 00
1736	3500 by $\frac{1}{2}$ lbs.	42 x 44 "	Ex. long neck 24"	126 00
1737	3500 by $\frac{1}{2}$ lbs.	42 x 44 "	12 "	118 00
1738	4000 by $\frac{1}{2}$ lbs.	55 x 49 "	15 "	140 00
1739	5000 by $\frac{1}{2}$ lbs.	50 x 48 "	23 "	160 00
1741	6000 by $\frac{1}{2}$ lbs.	60 x 54 "	13 "	230 00

## DORMANT WAREHOUSE SCALES

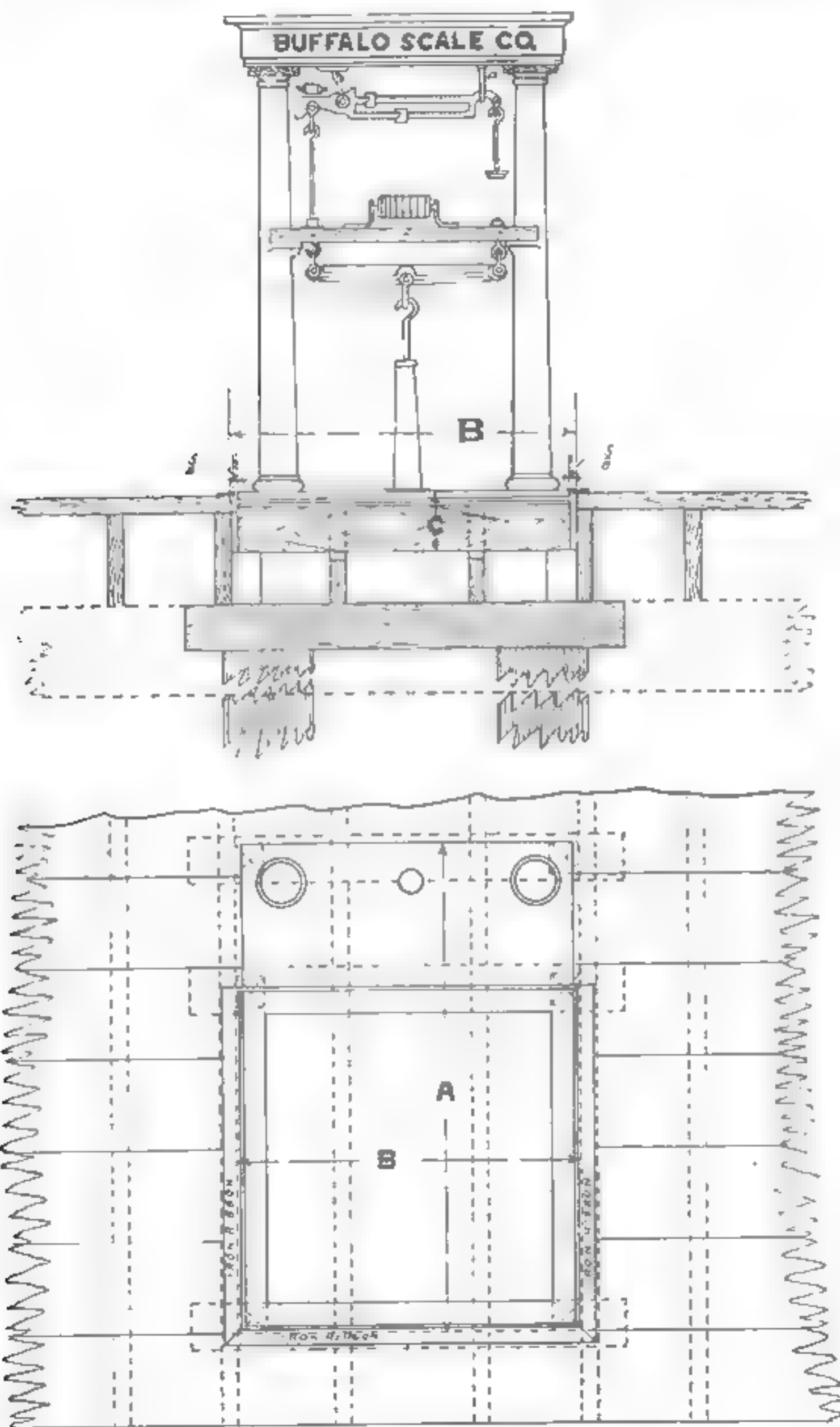


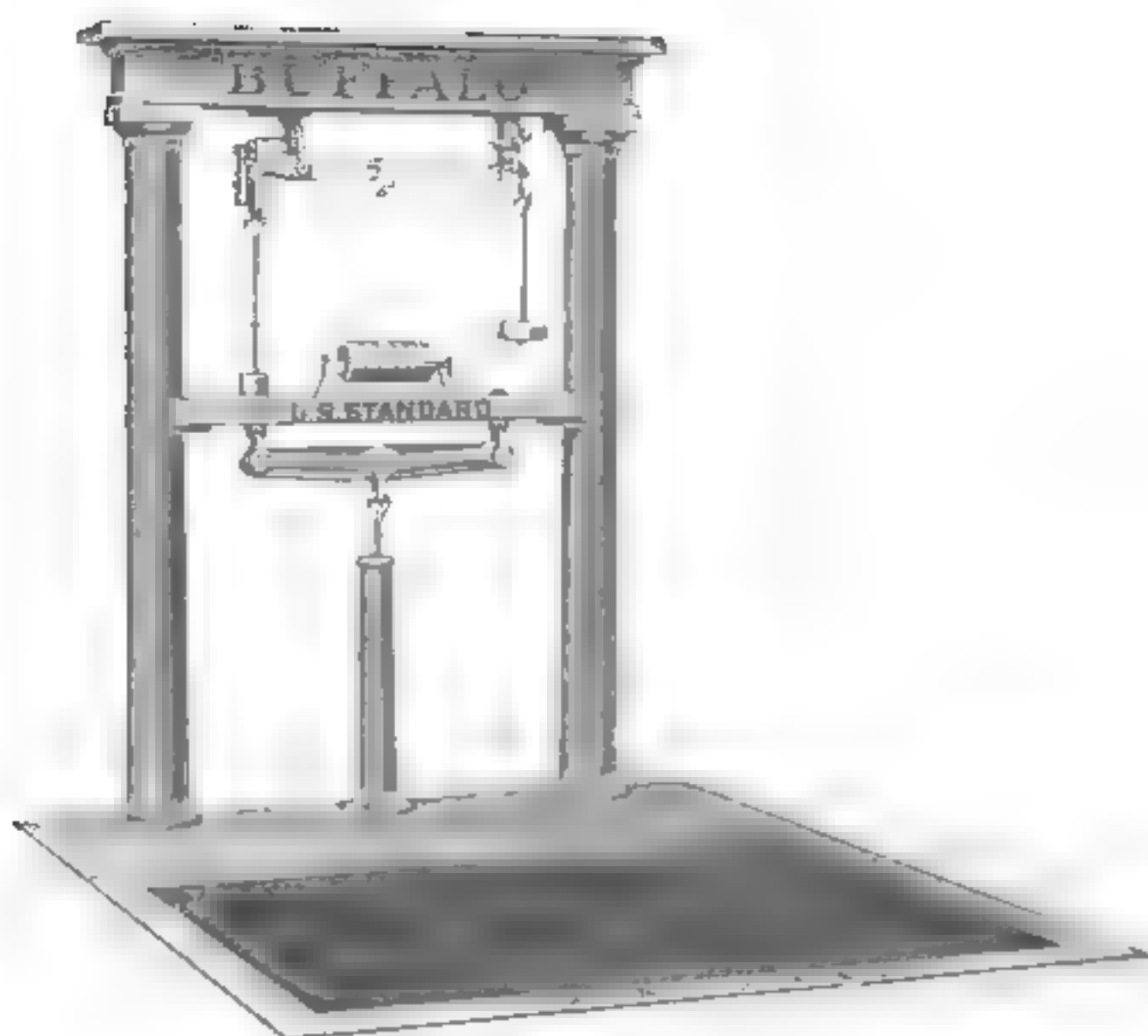
Illustration of opening in floor for setting scales.  
Special plan will be furnished for scales set in concrete floor.



# DORMANT WAREHOUSE SCALES

## DIMENSIONS OF OPENINGS IN FLOORS

Scale No.	A	B	C Stiff Lever	C Drop Lever
1606	46 $\frac{5}{16}$ inches	44 $\frac{3}{16}$ inches	7 $\frac{3}{4}$ inches	
1700	42 "	22 $\frac{3}{16}$ "	7 $\frac{1}{4}$ "	8 $\frac{3}{8}$ inches
1702	45 $\frac{3}{8}$ "	23 $\frac{1}{2}$ "	7 $\frac{1}{4}$ "	9 $\frac{1}{4}$ "
1704	46 $\frac{5}{16}$ "	44 $\frac{3}{16}$ "	7 $\frac{3}{4}$ "	9 $\frac{1}{4}$ "
1706	58 $\frac{9}{16}$ "	38 "	8 $\frac{3}{4}$ "	11 $\frac{1}{4}$ "
1708	54 $\frac{13}{16}$ "	47 $\frac{5}{8}$ "	7 $\frac{7}{8}$ "	10 $\frac{3}{4}$ "
1709	76 $\frac{1}{16}$ "	43 $\frac{3}{8}$ "	9 $\frac{1}{4}$ "	11 $\frac{3}{4}$ "
1710	62 $\frac{11}{16}$ "	43 $\frac{3}{8}$ "	9 $\frac{1}{4}$ "	11 $\frac{3}{4}$ "
1711	71 $\frac{7}{16}$ "	57 $\frac{3}{4}$ "	8 $\frac{3}{4}$ "	10 $\frac{3}{4}$ "
1712	79 $\frac{1}{2}$ "	52 $\frac{1}{4}$ "	11 $\frac{13}{16}$ "	13 $\frac{13}{16}$ "
1713	75 $\frac{7}{16}$ "	61 $\frac{1}{8}$ "	10 $\frac{1}{2}$ "	12 $\frac{1}{2}$ "
1715B	46 $\frac{5}{16}$ "	44 $\frac{3}{16}$ "	7 $\frac{3}{4}$ "	
1717B	46 $\frac{5}{16}$ "	44 $\frac{3}{16}$ "	7 $\frac{3}{4}$ "	
1718	52 $\frac{9}{16}$ "	46 "	7 $\frac{3}{4}$ "	
1719	60 "	38 "	8 $\frac{3}{4}$ "	
1721	56 $\frac{1}{4}$ "	47 $\frac{5}{8}$ "	7 $\frac{7}{8}$ "	
1723	64 $\frac{3}{16}$ "	43 $\frac{3}{8}$ "	9 $\frac{1}{4}$ "	
1724	72 $\frac{1}{8}$ "	57 $\frac{3}{4}$ "	8 $\frac{3}{4}$ "	
1725	76 $\frac{3}{16}$ "	43 $\frac{3}{8}$ "	9 $\frac{1}{4}$ "	
1727	81 $\frac{3}{16}$ "	52 $\frac{1}{4}$ "	11 $\frac{13}{16}$ "	
1729	75 $\frac{7}{16}$ "	61 $\frac{1}{8}$ "	11 $\frac{1}{4}$ "	
1730	46 $\frac{5}{16}$ "	44 $\frac{3}{16}$ "	7 $\frac{3}{4}$ "	
1732	46 $\frac{5}{16}$ "	44 $\frac{3}{16}$ "	7 $\frac{3}{4}$ "	
1731B	52 $\frac{9}{16}$ "	46 "	7 $\frac{3}{4}$ "	
1733	60 "	38 "	8 $\frac{3}{4}$ "	
1735	56 $\frac{1}{4}$ "	47 $\frac{5}{8}$ "	7 $\frac{7}{8}$ "	
1737	64 $\frac{3}{16}$ "	43 $\frac{3}{8}$ "	9 $\frac{1}{4}$ "	
1738	72 $\frac{1}{8}$ "	57 $\frac{3}{4}$ "	8 $\frac{3}{4}$ "	
1739	81 $\frac{3}{16}$ "	52 $\frac{1}{4}$ "	11 $\frac{13}{16}$ "	
1741	75 $\frac{7}{16}$ "	61 $\frac{1}{8}$ "	11 $\frac{1}{4}$ "	
1740	71 $\frac{7}{16}$ "	57 $\frac{3}{4}$ "	8 $\frac{3}{4}$ "	10 $\frac{3}{4}$ inches
1742	72 $\frac{1}{8}$ "	57 $\frac{3}{4}$ "	8 $\frac{3}{4}$ "	
1768	62 $\frac{11}{16}$ "	43 $\frac{3}{8}$ "	9 $\frac{1}{4}$ "	
1770	79 $\frac{3}{8}$ "	52 "	11 $\frac{13}{16}$ "	
1772	79 $\frac{3}{8}$ "	52 "	11 $\frac{13}{16}$ "	
1774	79 $\frac{3}{8}$ "	52 "	11 $\frac{13}{16}$ "	
1778	64 $\frac{3}{16}$ "	43 $\frac{3}{8}$ "	9 $\frac{1}{4}$ "	
1780	81 $\frac{3}{8}$ "	52 "	11 $\frac{13}{16}$ "	
1782	81 $\frac{3}{8}$ "	52 "	11 $\frac{13}{16}$ "	
1784	81 $\frac{3}{8}$ "	52 "	11 $\frac{13}{16}$ "	



## DORMANT COTTON SCALES

The platform of this scale is large in proportion to its capacity. It has been designed especially for weighing cotton and other bulky goods but is amply strong for general use.

Extra for bag rack, \$6.00.

Extra for double beam, \$8.00.

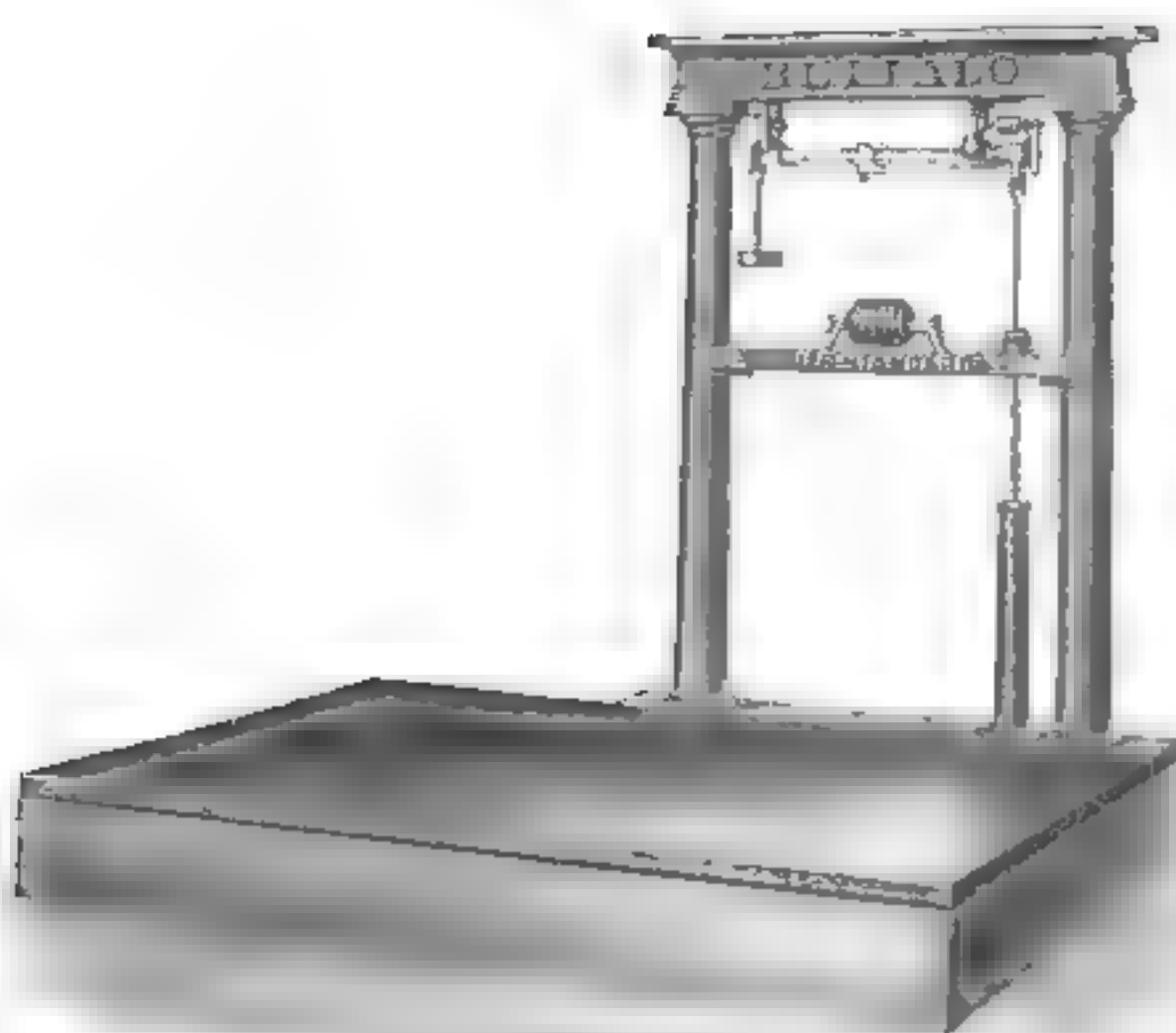
For dimensions of opening required for any Buffalo Dormant Scale, also illustration showing how same should be installed, see pages 96 and 97. Plan for setting any Dormant Scale in concrete will be furnished upon application.

### WITH TWO IRON PILLARS

No.	Capacity	Platform	Platform to Pillars	Price
1742	2000 by $\frac{1}{2}$ lbs.	55 x 49 inches	15 inches	\$125 00

### WITH SINGLE WOOD PILLAR

1740	2000 by $\frac{1}{2}$ lbs.	55 x 49 inches	15 inches	\$110 00
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## COFFEE DORMANT SCALES

### WITH TWO IRON PILLARS

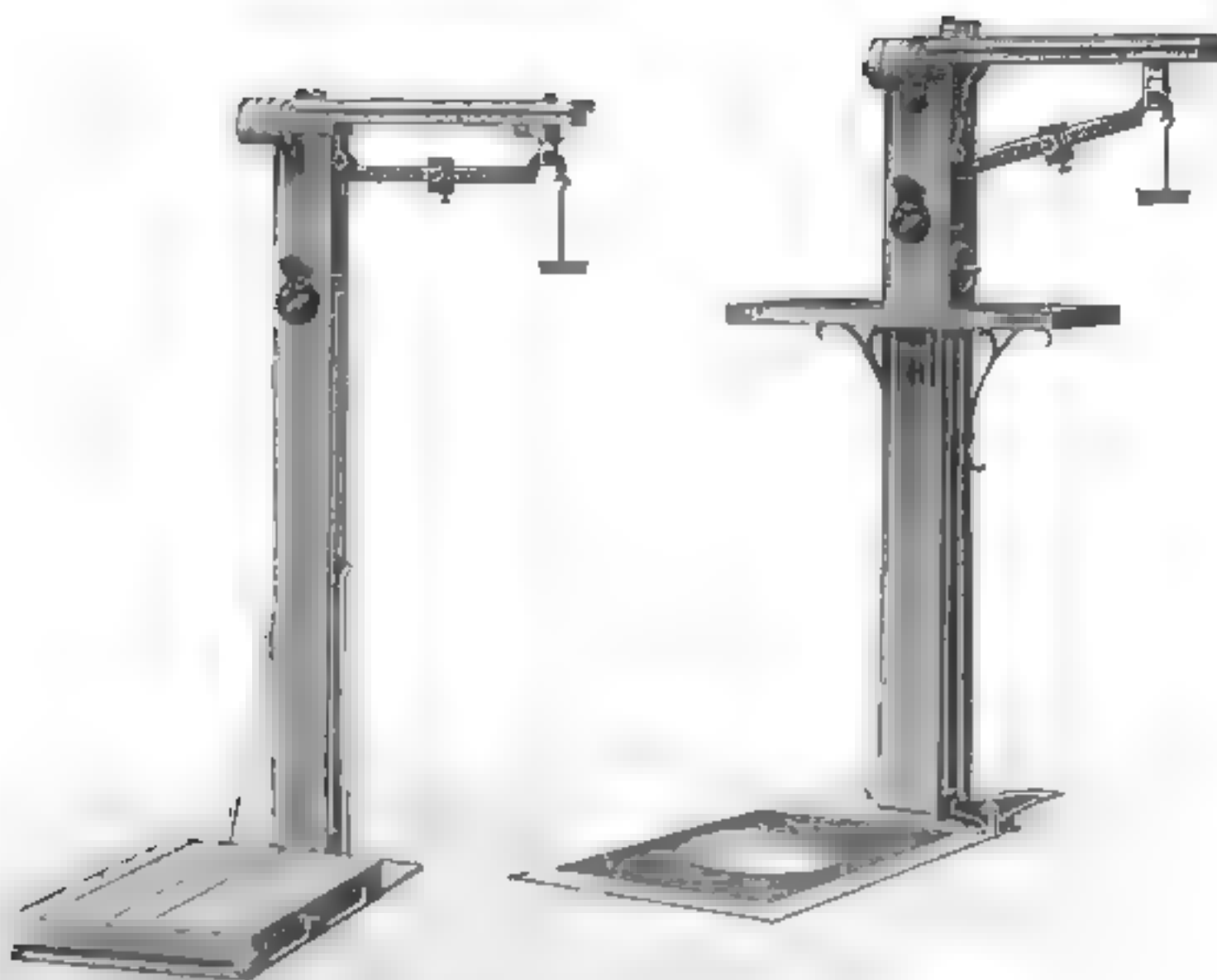
The very large platform of this scale makes it useful for weighing at one time a number of bags of grain, coffee or similar material. The beam is marked to 200 pounds by 1-pound marks. Weights,  $\frac{1}{2}$  pound to 100 pounds. Furnished with bag rack, if desired, at an additional list price of \$12.00.

Double beam, \$8.00 extra.

Short iron pillar outfit furnished if desired, without change in price.

Plan for setting any Dormant Scale in concrete will be furnished upon application.

No.	Capacity	Platform	Platform to Pillars	Price
1743	3500 by 1 lbs.	74 x 52 inches	1 inch	\$125 00



No. 1746

No. 1748

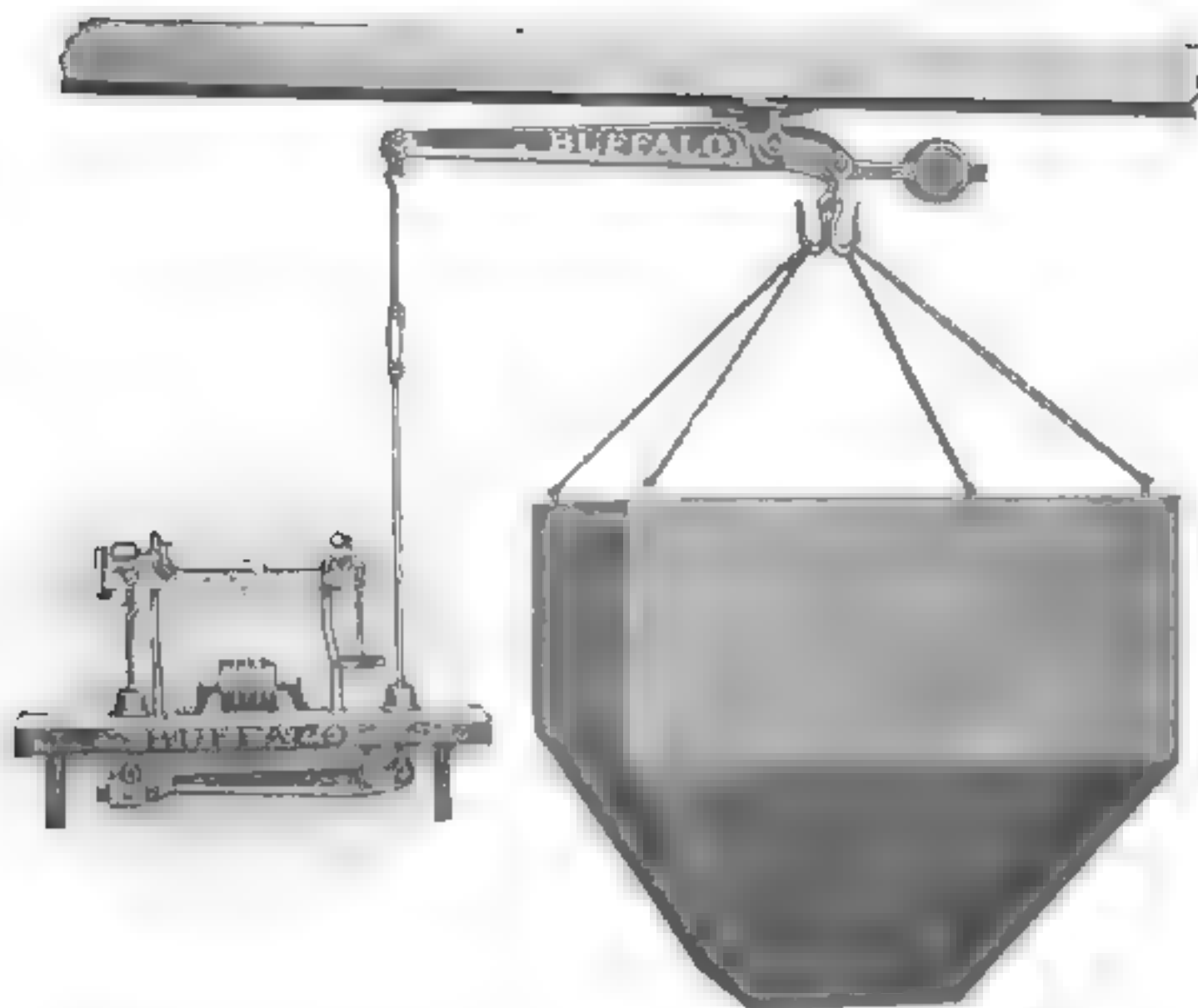
## DORMANT FLOUR SCALES

No. 1744 is set dormant in the floor and is intended for weighing barrels of flour. It is furnished with flour weights in addition to the regular weights.

No. 1748 is made of suitable size for weighing bags and barrels of flour. The machinery of the scale is only in operation when the foot is placed on the lever provided for it. At other times the bearings are relieved from all wear.

For dimensions of opening required for any Buffalo Dormant Scale, also illustration showing how same should be installed, see pages 96 and 97. Plan for setting any Dormant Scale in concrete will be furnished upon application.

No.	Capacity	Platform	Price
1744	600 by $\frac{1}{4}$ lbs.	16 x 25 inches	\$40 00
1746	.....	{ With rubber spring platform }	50 00
1748	600 by $\frac{1}{4}$ lbs.		60 00



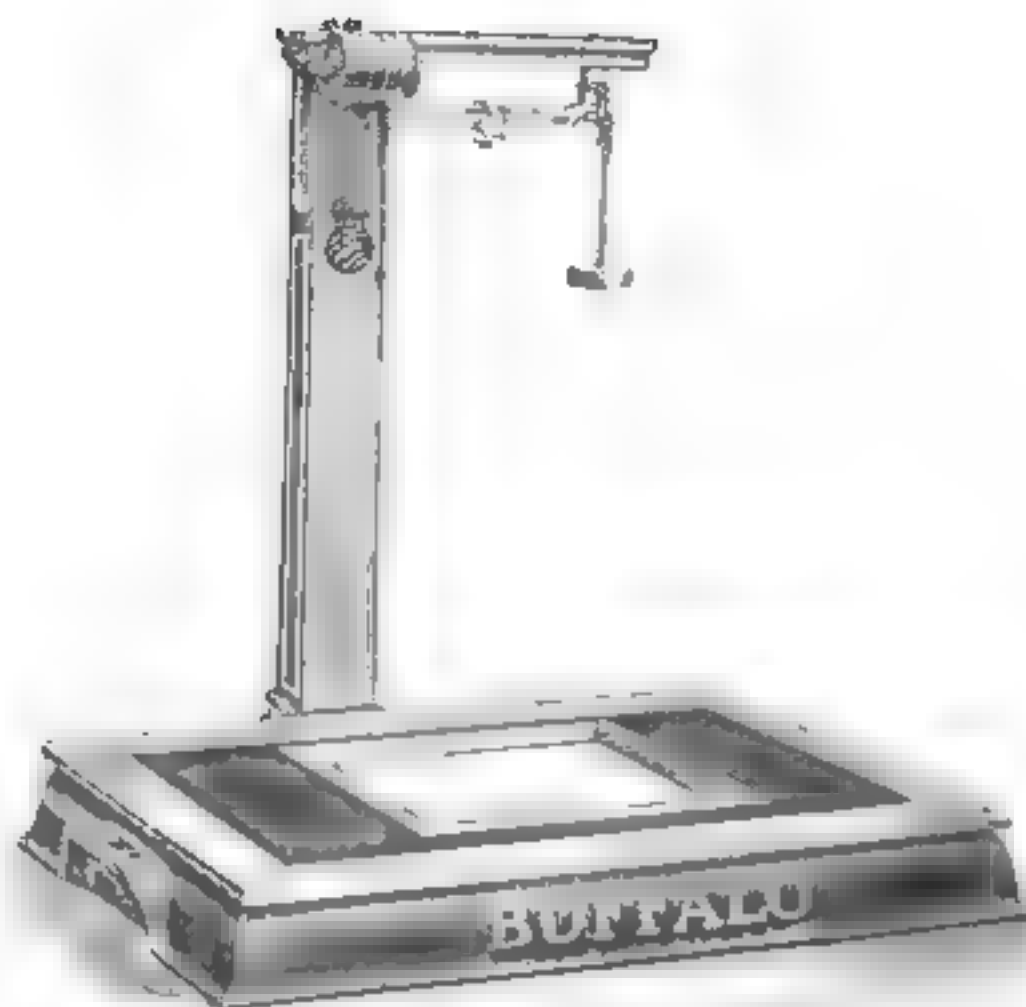
## HANGING HOPPER BEAMS

Exclusive of hopper or any woodwork.

Hopper may be placed as much higher than beam as desired, and the levers and beam may run at different angles. A hanging platform, for weighing grain in bags, is sometimes used instead of hopper.

Special sizes to order.

No.	Capacity	Distance Hopper Hook to Beam Rod	Price
1752	40 bushels x $\frac{1}{2}$ lbs	4 feet 6 inches	\$60 00
1754	60 " $\frac{1}{2}$ "	4 " 6 "	70 00
1756	100 " $\frac{1}{2}$ "	5 " 6 "	90 00

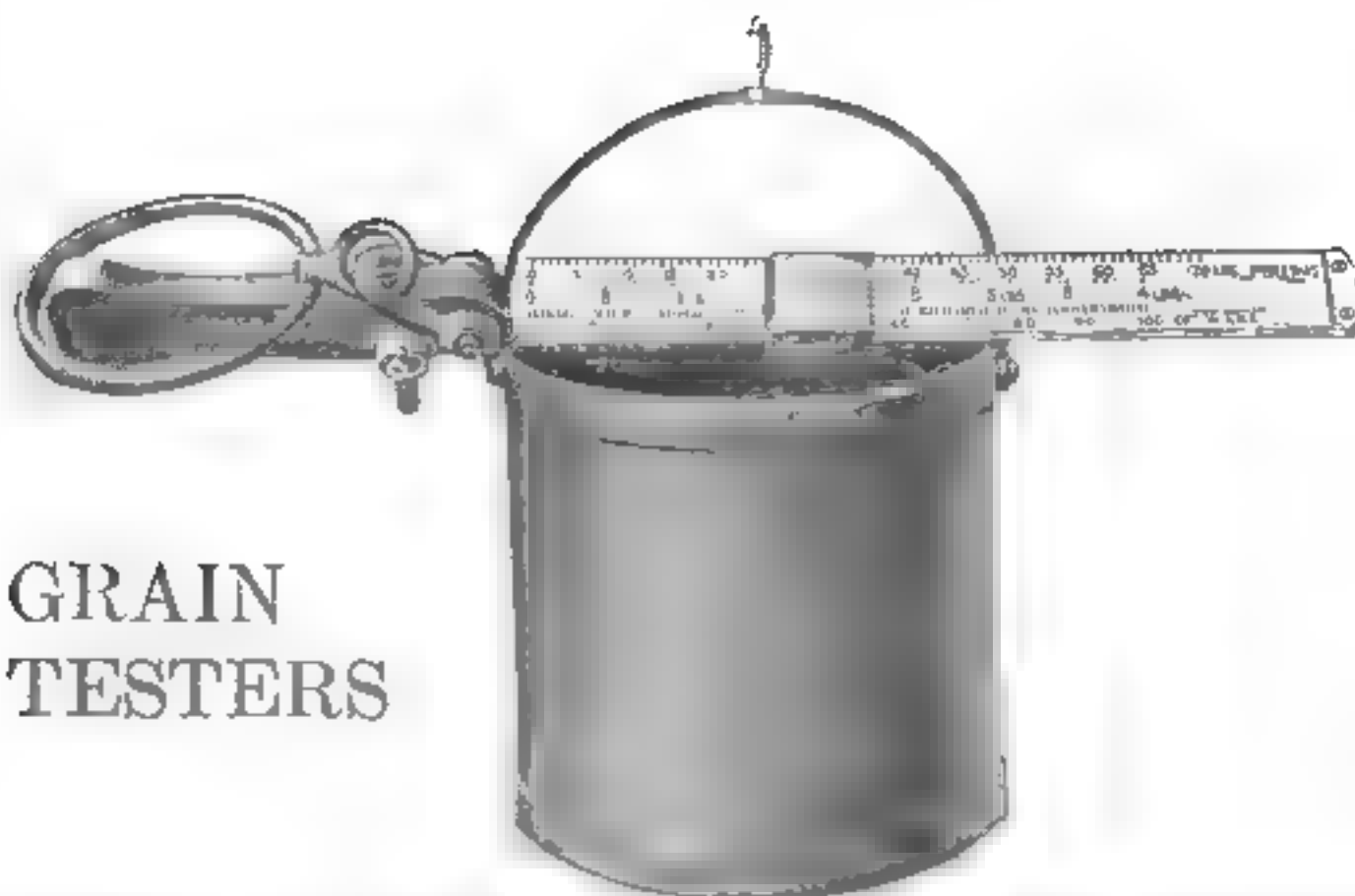


## SINGLE-PILLAR GRAIN SCALES

Portable pattern, with single wood pillar and without wheels.  
Beam, 100 by  $\frac{1}{2}$  lbs.

Price, exclusive of hopper, which is to be furnished by purchaser.

No.	Capacity		Platform	Opening for Hopper	Price
	Bushels	Pounds			
1758	30	1,800 x $\frac{1}{2}$	42 x 30 in.	15 x 15 in.	\$84.00
1760	40	2,400 x $\frac{1}{2}$	42 x 30 in.	15 x 15 in.	92.00

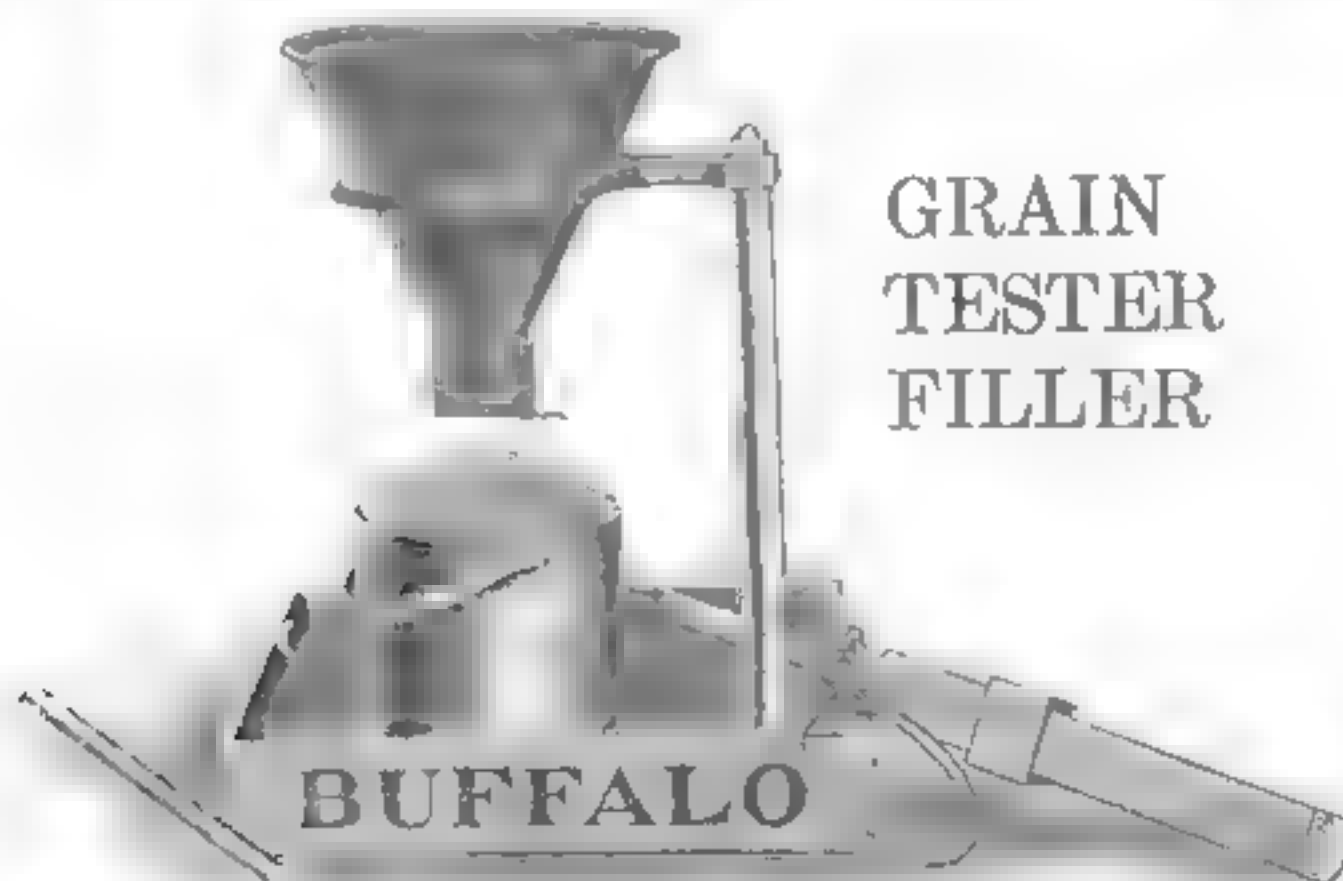


## GRAIN TESTERS

The Buffalo Grain Tester is constructed so that when the cup is empty the beam balances with the poise set at zero. There are upon the beam three rows of marks, which indicate respectively:

- 1st. The number of pounds a sample will weigh to the bushel.
- 2d. The exact weight of sample.
- 3d. The per cent. of loss after cleaning.

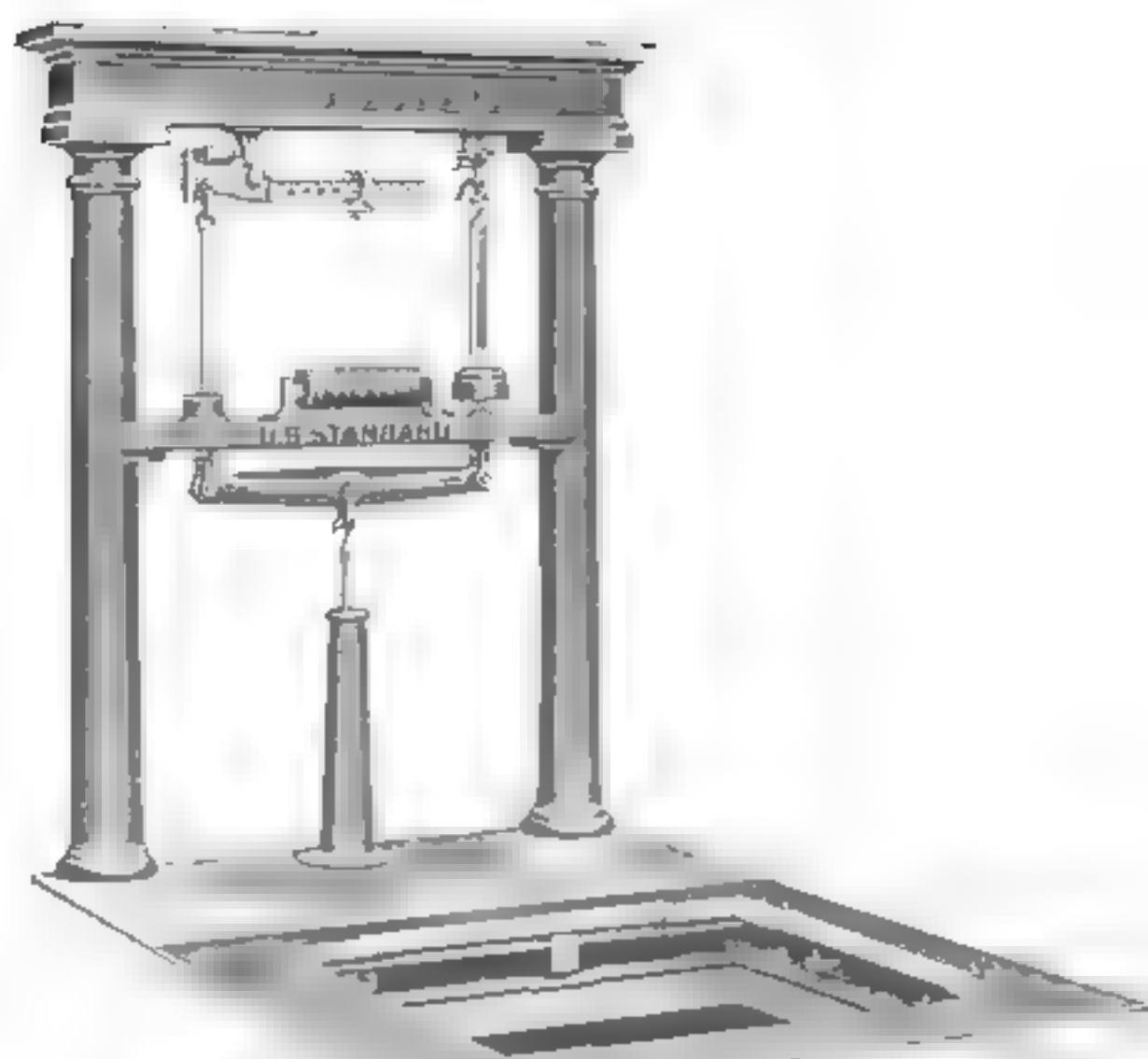
No.	Capacity	Price
1763	1 pint	\$13 00
1764	$\frac{1}{2}$ pint	12 50
1765	1 quart	14 00
1767	2 quarts	15 00



## GRAIN TESTER FILLER

The Buffalo Filler allows the grain to flow in a uniform stream and insures a uniform density in the cup. A polished steel rod is furnished for striking off. The equipment is inexpensive and may be used with any grain tester.

No.	Capacity	Price
1761	1 quart and less	\$5 50
1762	2 quarts and less	6 00



## HOPPER OR GRAIN SCALES DORMANT PATTERN

This pattern of Hopper Scale can be set dormant in the floor, and it is especially suited for use in elevators, grain warehouses, flour mills, etc. The prices given do not include the hopper.

The above scale may be furnished with patent grain beam, if desired. For description see page 126.

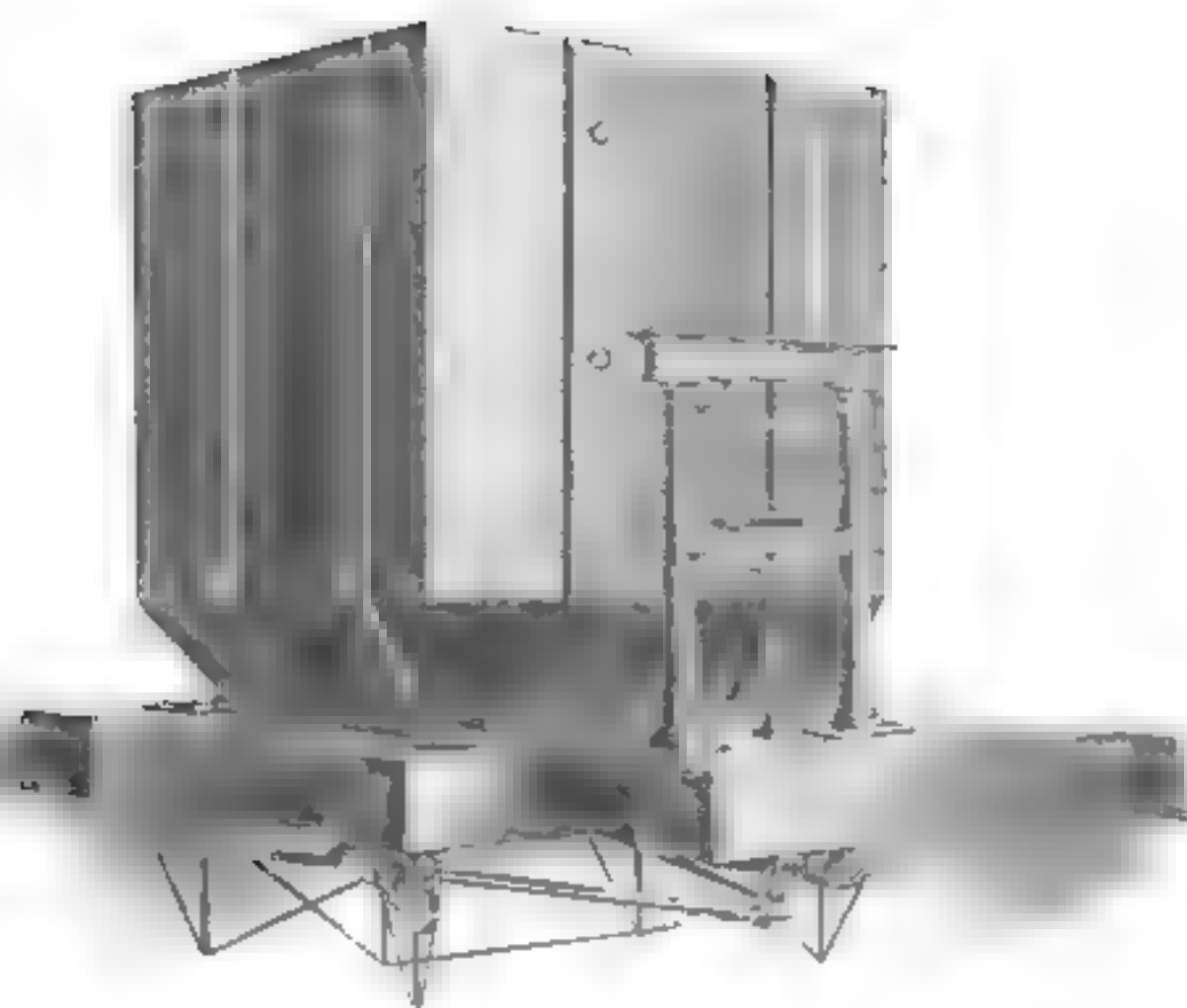
### WITH TWO IRON PILLARS

No.	Capacity		Platform	Opening for Hopper	Price
	Bushels	Pounds			
1778	60	3600 by $\frac{1}{2}$	44 x 42 ins.	18 x 18 ins.	\$125 00
1780	100	6000 by 1	50 $\frac{1}{2}$ x 49 "	36 x 36 "	160 00
1782	125	7500 by 1	50 $\frac{1}{2}$ x 49 "	36 x 36 "	180 00
1784	150	9000 by 1	50 $\frac{1}{2}$ x 49 "	36 x 36 "	195 00

### WITH SINGLE WOOD PILLAR

1768	60	3600 by $\frac{1}{2}$	44 x 42 ins.	18 x 18 ins.	\$105 00
1770	100	6000 by 1	50 $\frac{1}{2}$ x 49 "	36 x 36 "	140 00
1772	125	7500 by 1	50 $\frac{1}{2}$ x 49 "	36 x 36 "	160 00
1774	150	9000 by 1	50 $\frac{1}{2}$ x 49 "	36 x 36 "	175 00



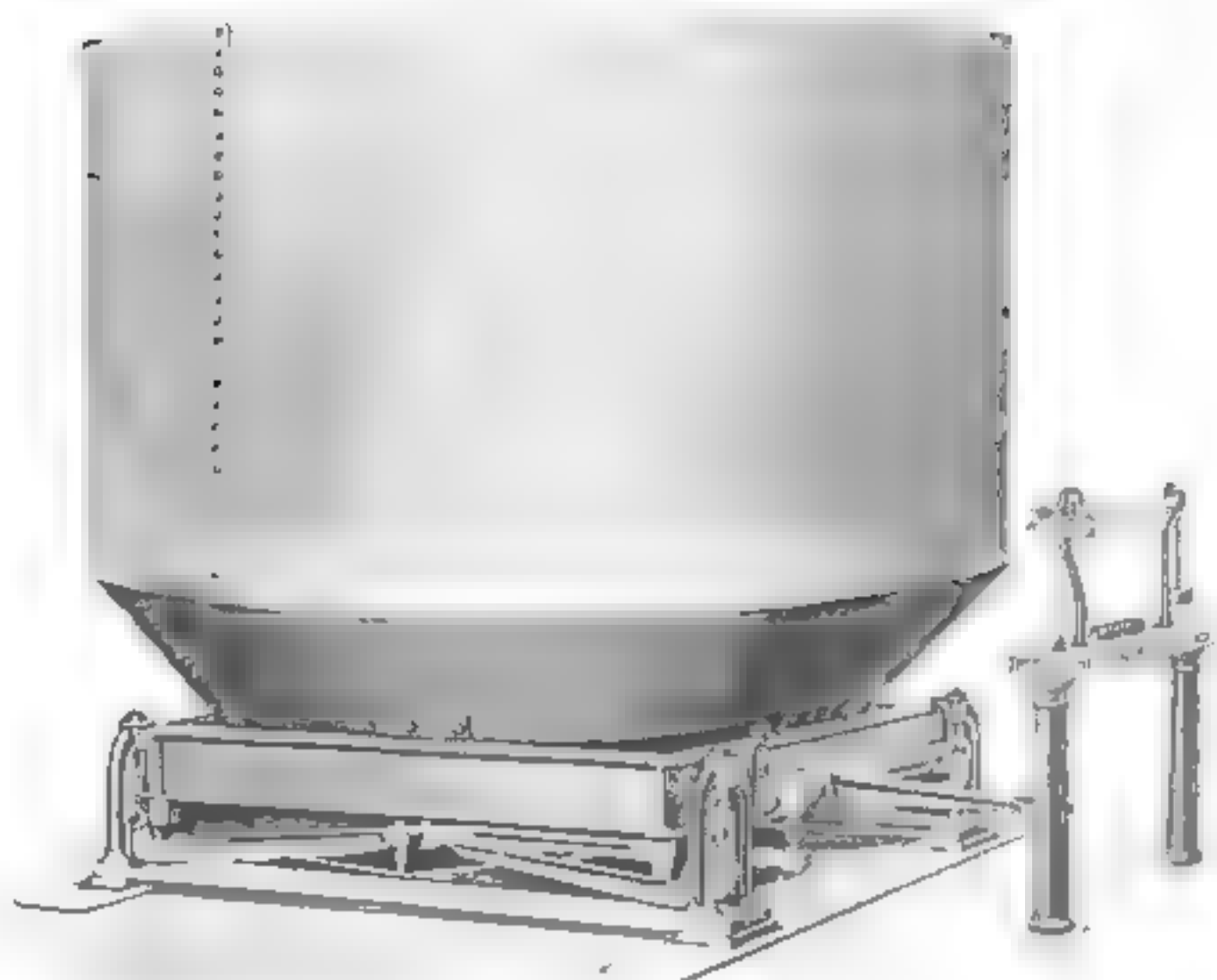


## TWO-PILLAR GRAIN OR HOPPER SCALES

### TRUSSED LEVER PATTERN

Hopper scales of this pattern are made in all sizes from 12,000 to 120,000 pounds capacity, and are furnished with corner irons to keep the scale level if the building settles. They may also be built entirely of iron and steel for special situations in fireproof buildings, and are adapted for many different uses in breweries, grain warehouses and elevators. The sizes given are those commonly used, but may be varied somewhat without adding to the cost of the scale. The beam may be placed below the scale in any desired situation. The prices given do not include the hopper, steel or the timber for the scale, which are to be furnished by the purchaser.

No.	Capacity		Opening for Hopper	Price
	Bushels	Pounds		
1800	200	12,000 by 5	54 x 54 inches	\$225 00
1802	300	18,000 by 5	54 x 54 "	285 00
1804	350	21,000 by 5	54 x 54 "	300 00
1806	400	24,000 by 5	64 x 64 "	320 00
1808	500	30,000 by 5	64 x 64 "	350 00
1810	600	36,000 by 5	64 x 64 "	390 00
1812	700	42,000 by 5	64 x 64 "	430 00
1814	800	48,000 by 5	64 x 64 "	475 00
1816	900	54,000 by 5	64 x 64 "	525 00
1818	1000	60,000 by 5	64 x 64 "	600 00
1820	1200	72,000 by 5	64 x 64 "	700 00
1822	1400	84,000 by 5	64 x 64 "	800 00
1824	1600	96,000 by 5	64 x 64 "	900 00
1825	1800	108,000 by 5	84 x 84 "	1100 00
1826	2000	120,000 by 5	84 x 84 "	1200 00



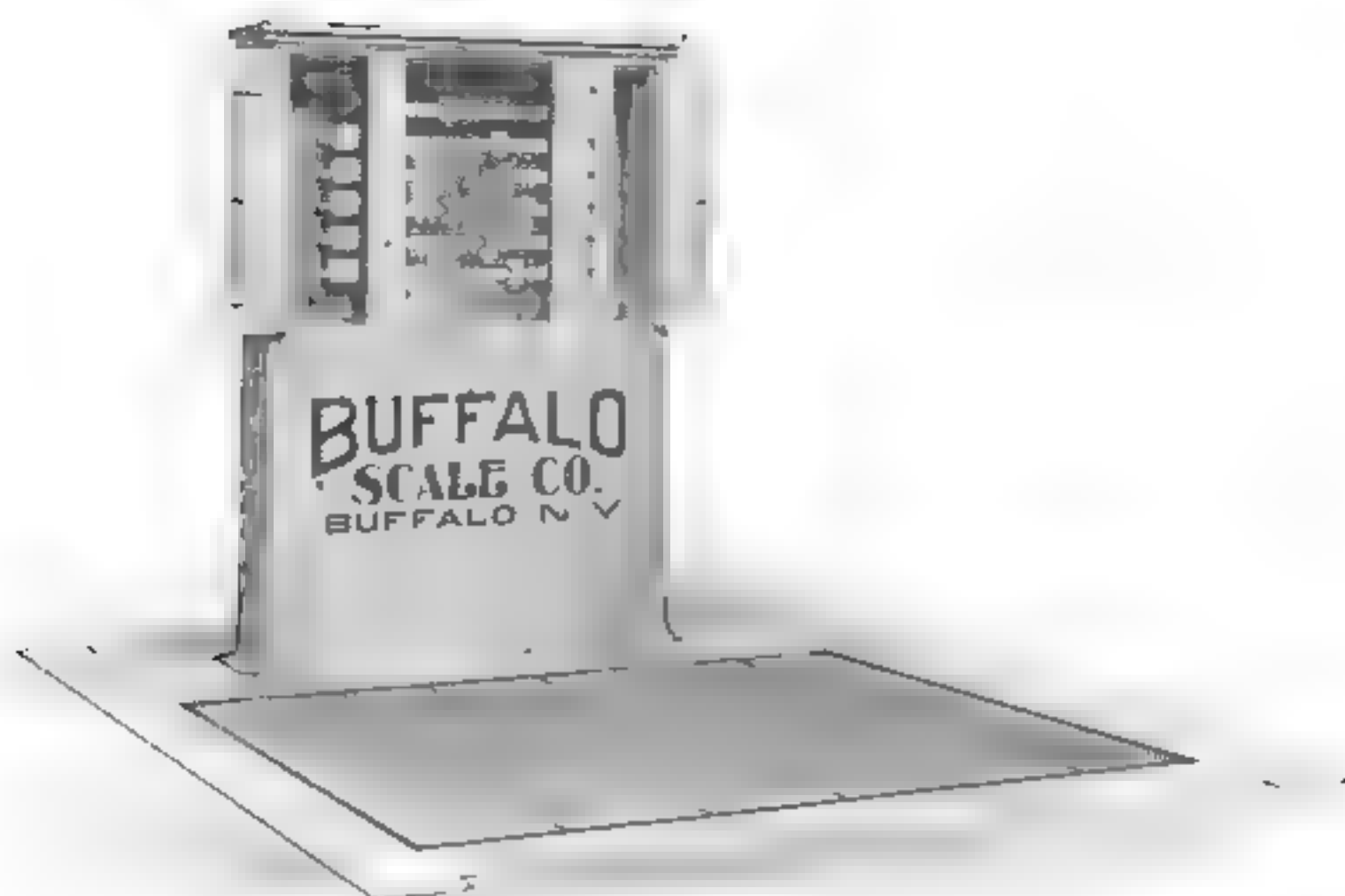
## BREWERS' TWO-PILLAR GRAIN OR MALT SCALES

HOPPER SCALES FOR MALT, GRAIN, MEAL, ETC.

This scale may be built with steel beams or timber to carry hopper.

Price is exclusive of timber or steel beams.

No.	Capacity		Opening for Hopper	Price
	Bushels	Pounds		
1827	200	12,000 by 5	79 x 79 inches	\$ 225 00
1829	300	18,000 by 5	79 x 79 "	285 00
1831	350	21,000 by 5	79 x 79 "	300 00
1833	400	24,000 by 5	79 x 79 "	320 00
1835	500	30,000 by 5	96 x 96 "	350 00
1837	600	36,000 by 5	96 x 96 "	400 00
1839	700	42,000 by 5	96 x 96 "	450 00
1841	800	48,000 by 5	96 x 96 "	475 00
1843	900	54,000 by 5	96 x 96 "	525 00
1845	1000	60,000 by 5	96 x 96 "	600 00
1847	1200	72,000 by 5	96 x 96 "	700 00
1849	1400	48,000 by 5	120 x 120 "	800 00
1851	1600	96,000 by 5	120 x 120 "	900 00
1853	1800	108,000 by 5	120 x 120 "	1100 00
1855	2000	120,000 by 5	120 x 120 "	1200 00



## FURNACE-CHARGING SCALES

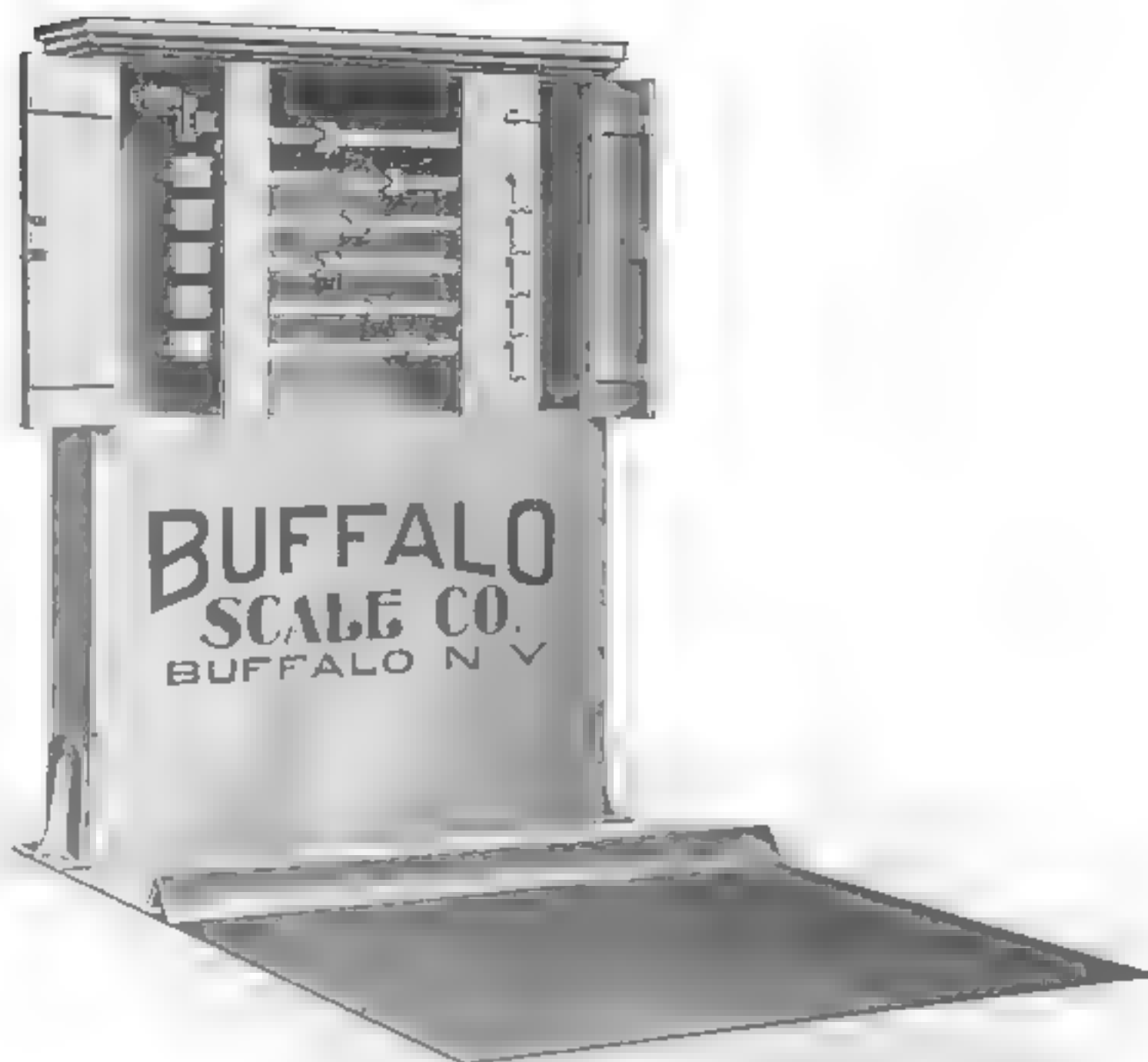
WITH FOUR OR MORE BEAMS

This scale is designed for charging a furnace with a given quantity of four or more different kinds of ore, fluxes, coal or metal. It is so arranged that (by means of indicators outside of the beam box) all the weighing can be done by a person who cannot read, the indicators being first arranged by the foreman. The beam box can be locked so that the weigher or other employees about the furnace cannot change the weights or know how the furnace is being charged.

The frame and platform of this scale may be made of hard wood or steel, which are not furnished by us. Instructions for building are sent with each scale. All other parts are furnished by us.

Additional beams, \$10.00 each, extra.

No.	Capacity	Platform	Price
2000	4 tons, 2000 lbs. each beam	5 x 4 feet	\$230 00

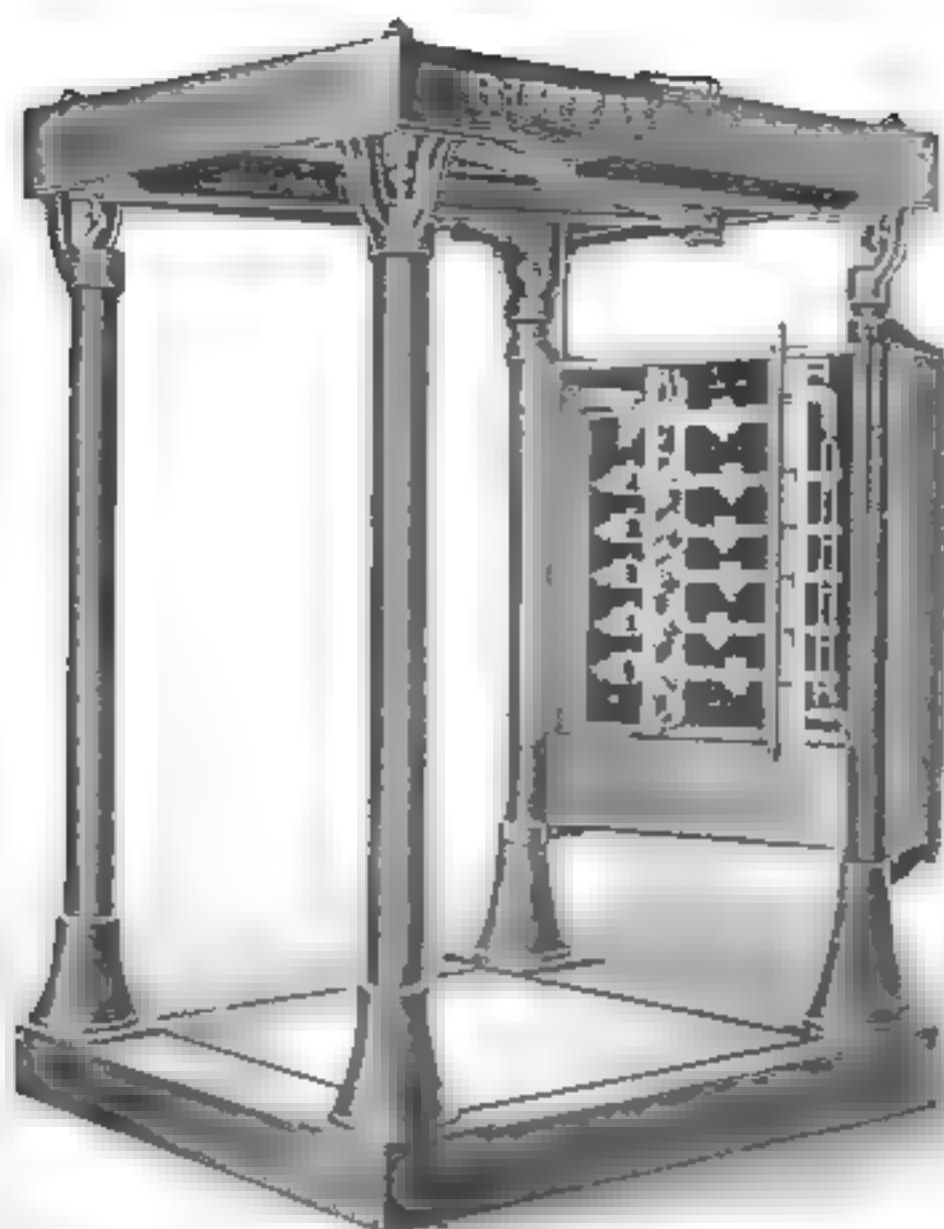


## FURNACE-CHARGING SCALES

DORMANT PATTERN. WITH FOUR OR MORE BEAMS

This style of furnace-charging scale is built like a Dormant, and is furnished with box complete ready to put into the floor. The frame and platform are made of iron, and the latter is flanged as shown in cut.

No.	No. of Beams	Capacity Each Beam	Platform	Price
2002	4	1500 by 5 lbs.	50 x 48 inches	\$305 00
2003	5	1500 by 5 lbs.	50 x 48 "	315 00
2005	6	1500 by 5 lbs.	50 x 48 "	325 00
2007	7	1500 by 5 lbs.	50 x 48 "	335 00
2009	8	1500 by 5 lbs.	50 x 48 "	345 00



## FURNACE-CHARGING SCALES

### SUSPENSION PATTERN

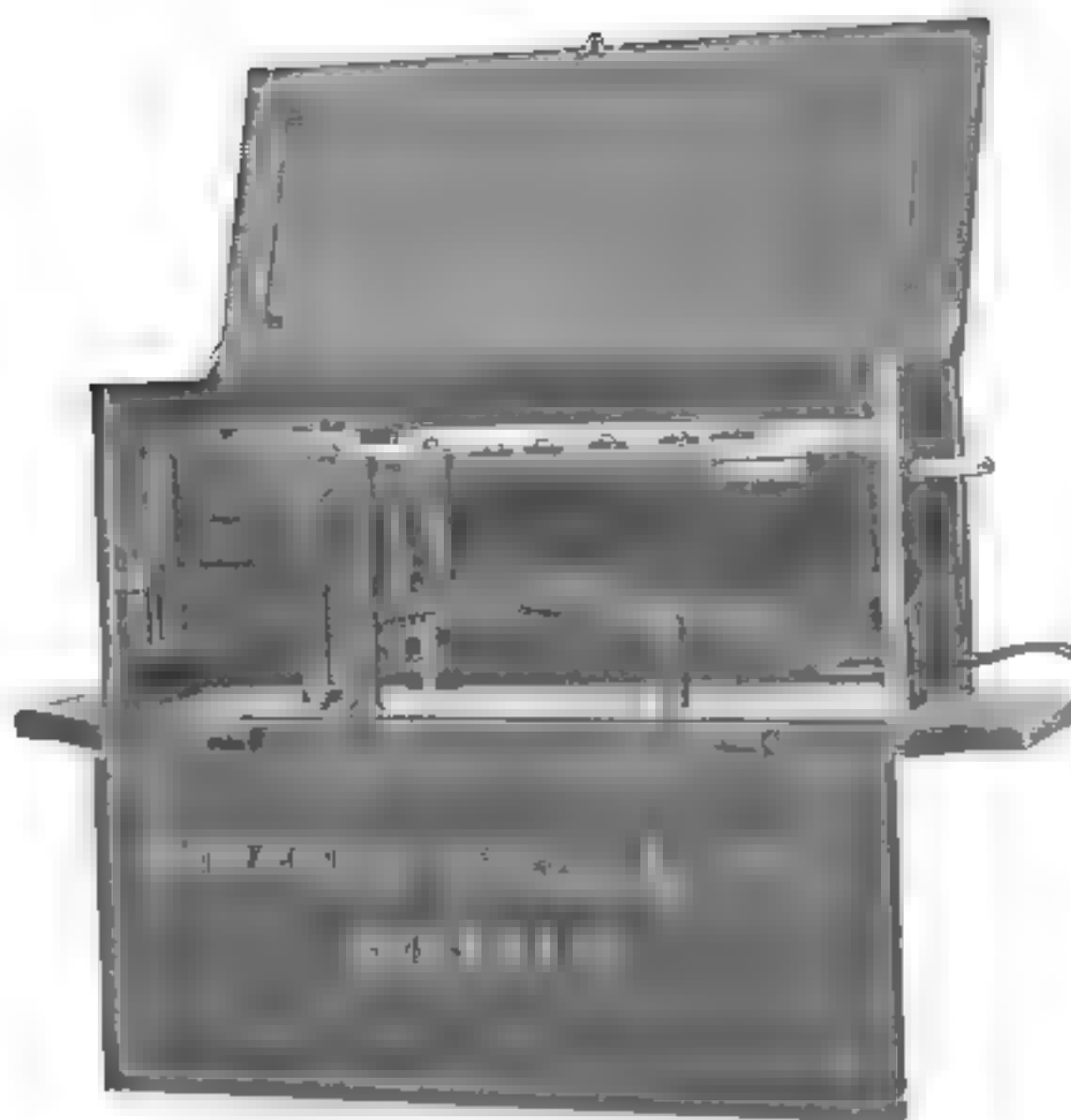
All metal except platform and beam box.

Capacity of each charging beam is 2000 by 5 pounds.

No.	Beams	Height of Posts	Platform	Price
2004	4	8 feet	5 x 6 feet	\$450 00
2006	5	8 "	5 x 6 "	460 00
2008	6	8 "	5 x 6 "	470 00
2010	7	8 "	5 x 6 "	480 00
2012	8	8 "	5 x 6 "	490 00

### WITH WOOD POSTS AND PLATFORM

2015	4	8 feet	5 x 6 feet	\$300 00
2017	5	8 "	5 x 6 "	310 00
2019	6	8 "	5 x 6 "	320 00
2021	7	8 "	5 x 6 "	330 00
2023	8	8 "	5 x 6 "	340 00



## FURNACE CHARGING BEAMS

### REMOVABLE BEAMS IN IRON BEAM BOX

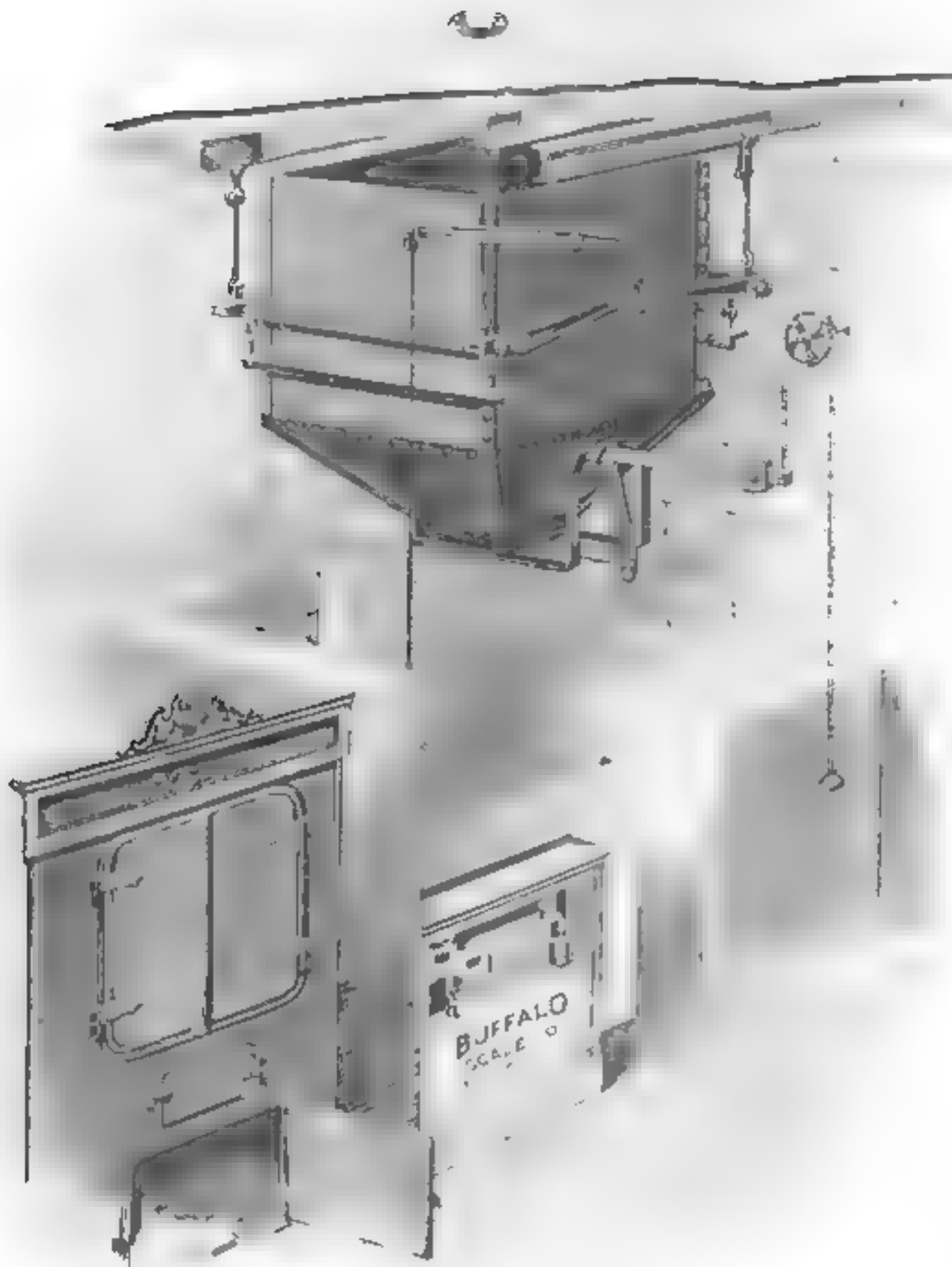
For use on Charging Scales; has four to ten independent beams, all of which are removable, making it convenient to set the poises to the weights desired.

When the poises are set and the box locked, the beams are put in play one at a time by means of latches on outside of box, and an indicator shows when balanced.

Each beam is graduated to 1,600 pounds by 5 pounds, unless otherwise specified.

If so ordered, the charging beams will be left blank, and a templet provided for the setting of the poises. The plus and minus beam, shown operative from outside, is attached at advance in price of \$10.00.

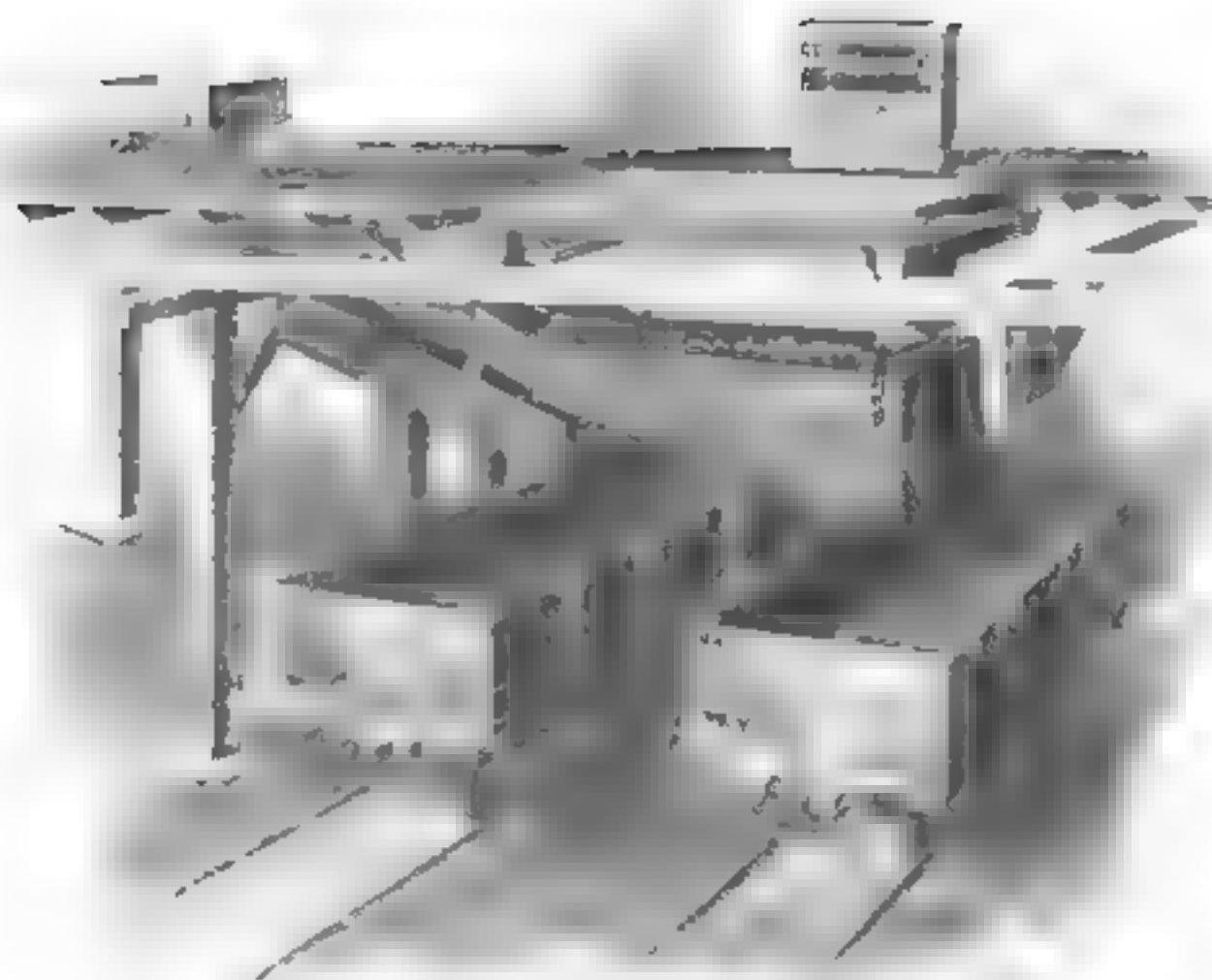
Price four-beam outfit complete . . . . .	\$100.00
Each additional beam . . . . .	10.00



## SUSPENSION COAL HOPPER SCALES

This scale is especially adapted for weighing coal as it is received in buildings. It can be so placed under the sidewalk that all coal delivered will fall into the hopper, where it is weighed. By this means the consumer can ascertain the precise quantity of coal he receives, with absolute accuracy, and without delay or inconvenience.

Plans will be furnished and prices given upon application.

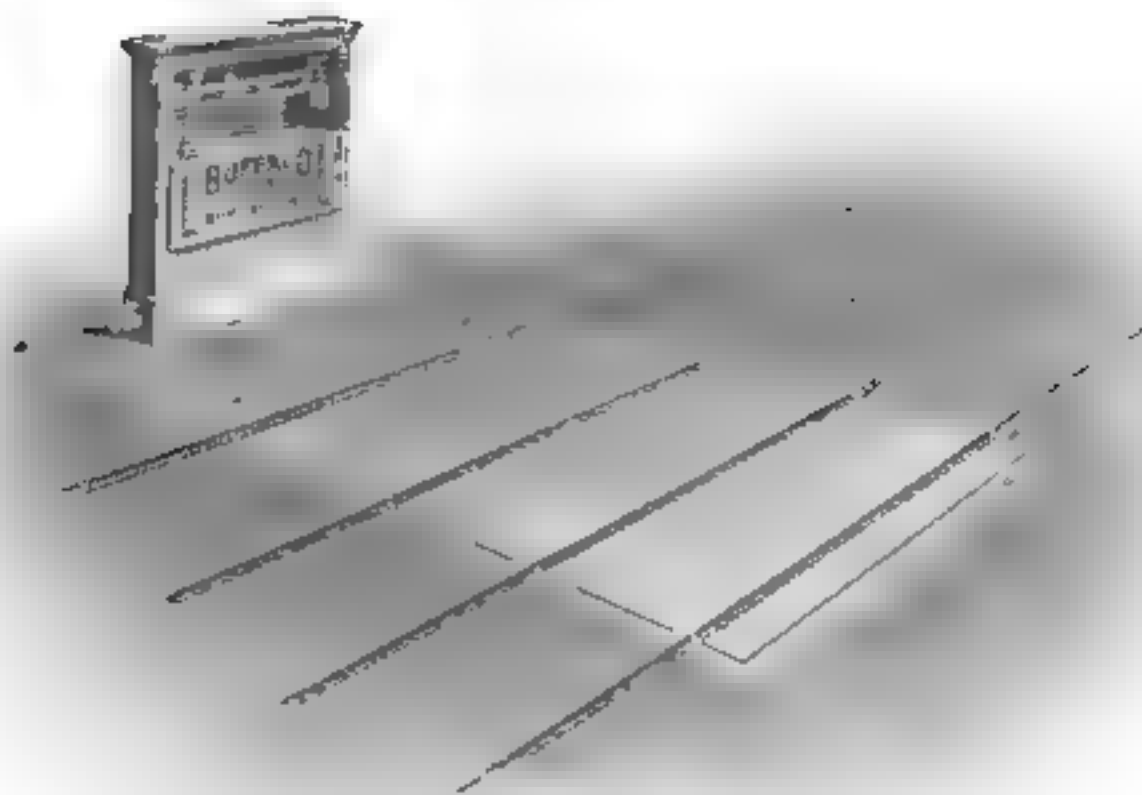


## COAL TIPPLE SCALES

This scale is designed for weighing coal at mines, as it comes from the screens and before it passes into the cars on shipping track. The hopper is suspended from the scale, so that when the door is opened the coal discharges direct into the cars. We can furnish scales for this purpose of all sizes from 4 x 6 to 8 x 16 feet, and capacity from 2 to 6 tons.

No.	Capacity	Platform	Price
2100	4 tons	14 x 8 feet	\$185 00





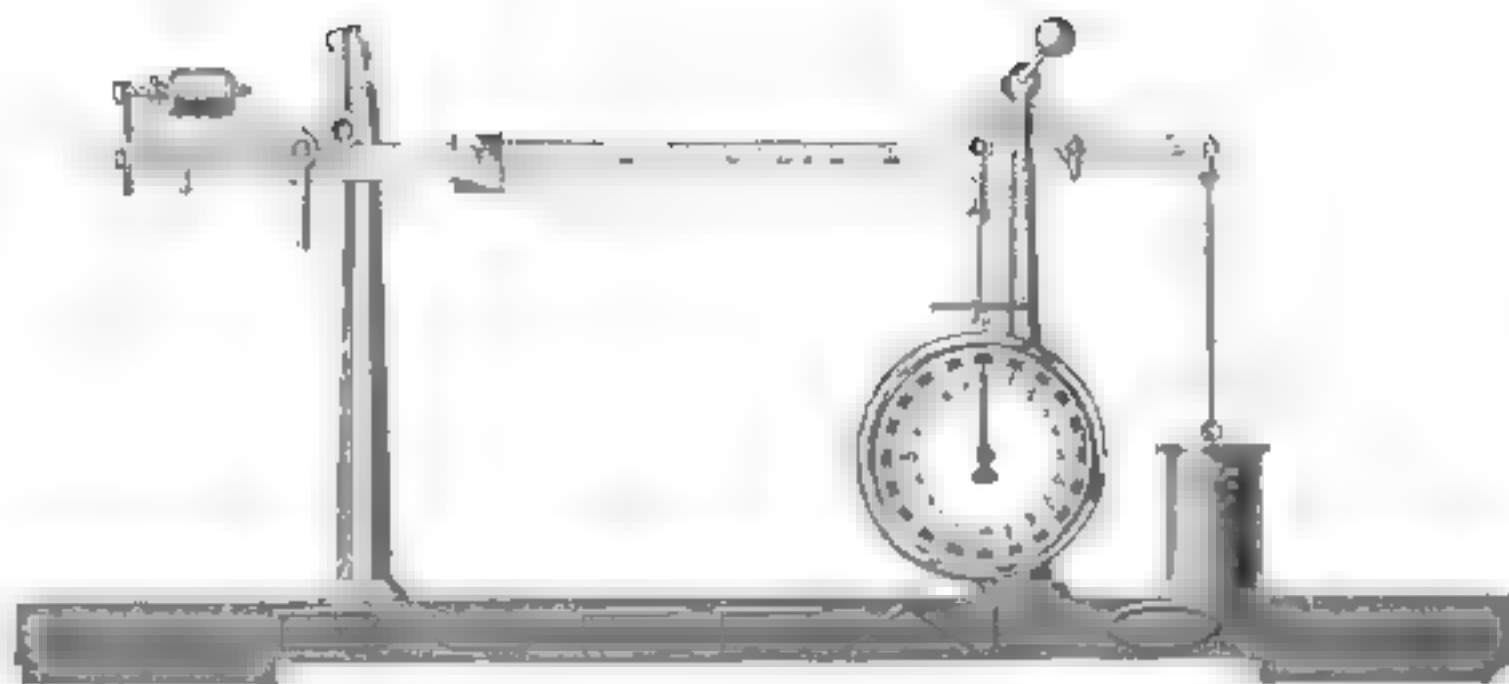
## COAL MINE SCALES

This coal mine scale is similar to our regular line of Miner Scales shown on page 124, except that it is made with a long platform at right angles with the beam, permitting two tracks for mine cars to be laid across it, as shown in illustration.

While designed to be used on a tippie, this scale is suitable for any location where it is desirable to have two industrial tracks on one scale.

Prices do not include material for erecting or beam box.

No	Capacity	Platform	Distance from Edge of Platform to Beam	Price, Double Beam
2108	4 tons	6 x 10 feet	2 feet	\$160 00



## QUICK WEIGHING BEAMS

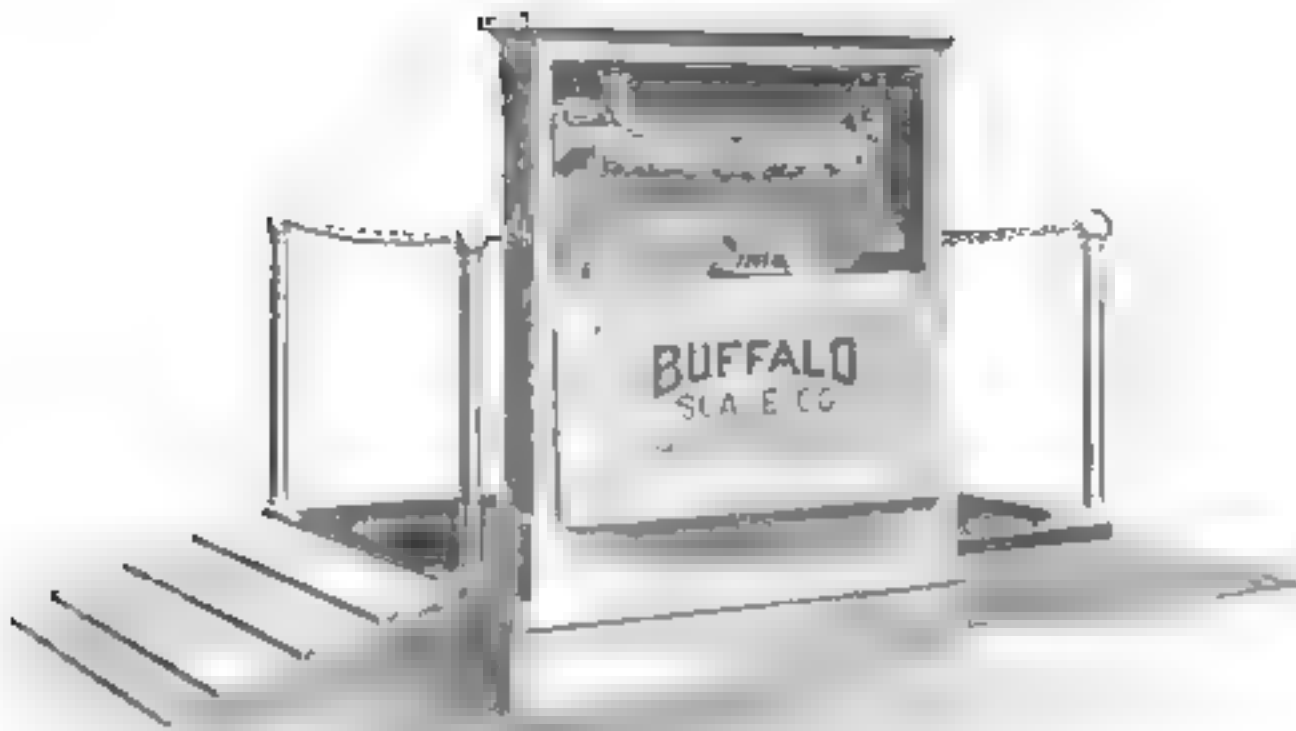
This Quick Weighing Beam consists of a spring dial attached to the beam of a Miner or Wagon Scale.

It is suitable for quick weighing where 50-pound graduations are sufficiently close, as is the case with bituminous coal when weighed at the mines before screening.

Where used for mine work, the weight of the tipple cars is balanced by the poise on the brass beam. The dial shows the net weight up to 2,000 pounds.

If the net loads are over 2,000 pounds, weights are added to counterpoise so that the full capacity of the scale may be used.

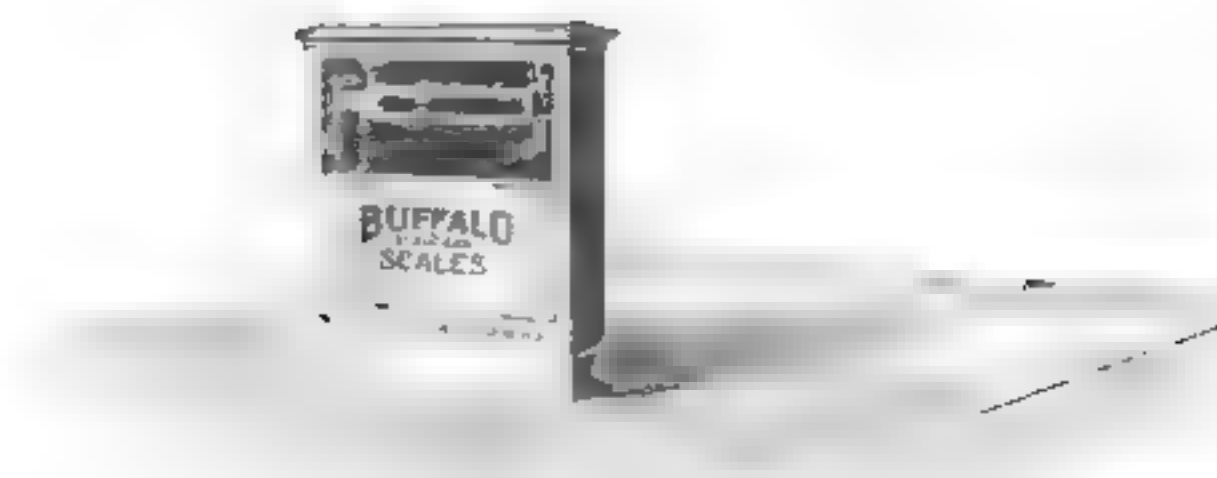
Prices on application.



## PORTABLE BULLOCK SCALES

This scale is designed for weighing a single animal. It is self-contained and easily assembled. When used for other work than weighing cattle, it may be had without post and chain guards, at a reduction of \$10.00 from list. The price of scale does not include the inclines as illustrated.

No.	Capacity	Platform	Price
2110	2000 lbs.	74 x 52 inches	\$150 00



## WAGON AND STOCK SCALES

For prices see page 117.

This scale is made in both the solid or the shallow pit and trussed lever patterns.

**PLATFORM SIZES:** In addition to the sizes shown, the dimensions of platforms may be varied to a considerable extent without increasing the cost of the scale. Inquiries as to scales of special size and capacity will receive prompt attention.

**BEAMS:** Scales as listed are furnished with heavy double brass beams graduated by  $2\frac{1}{2}$ -pound marks or with compound beams which on scales up to ten tons capacity are graduated by 2-pound marks. For illustrations of Beams see page 125.

**EXTENSIONS:** The distance from the platform of the scale to the beam rod may be increased up to 20 feet at a slight additional cost.

**BEAM FIXTURES:** For office use tall iron pillars and wood cap or short iron pillars and shelf will be furnished at additional list prices given on page 127.

**FRAMING:** Buffalo Wagon Scales may be erected with either timber or steel framing.

While the first cost of timber is less than steel, the latter makes a much more rigid, durable scale and is strongly recommended. See page 118 for further description of steel construction.

The prices quoted on Wagon and Stock Scales are exclusive of lumber, including beam box, or steel, and foundation, which are to be furnished by purchaser.

# WAGON AND STOCK SCALES

## TRUSSED LEVER

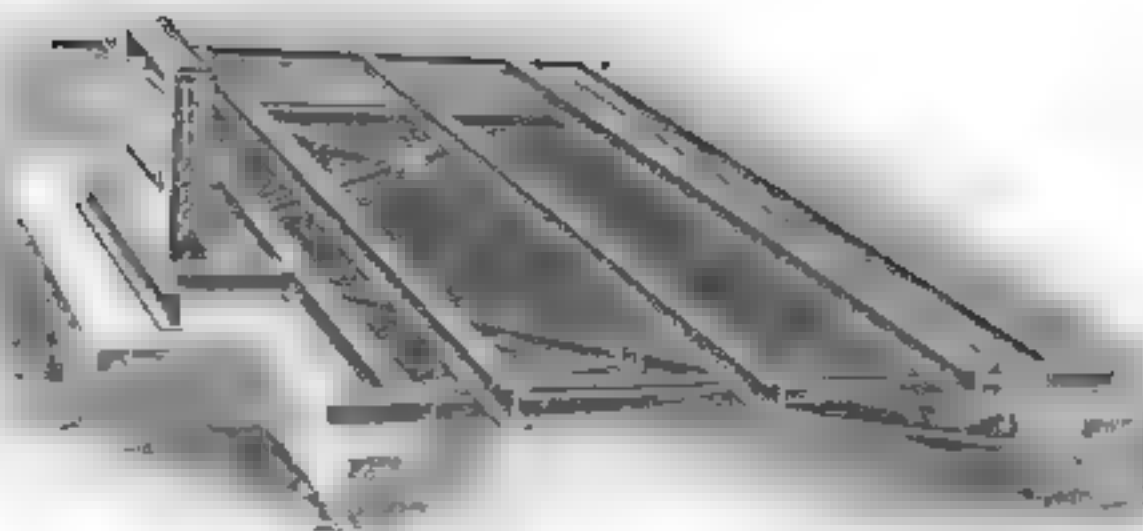
No.	Capacity	Platform	Edge of Platform to Beam Rod	Price Double Beam	Price Comp. Beam
2251	4 tons	14 x 8 ft.	2 ft 2 in	\$180 00	\$190 00
2253	5 "	14 x 8 "	2 " 2 "	210 00	220 00
2255	6 "	14 x 8 "	2 " 2 "	240 00	255 00
2204	4 "	22 x 8 "	2 " 0 $\frac{1}{2}$ "	225 00	235 00
2207	5 "	22 x 8 "	2 " 0 $\frac{1}{2}$ "	250 00	270 00
2210	6 "	18 x 9 " 4 $\frac{1}{2}$ in.	2 " 6 "	250 00	270 00
2212	6 "	22 x 8 "	2 " 0 $\frac{1}{2}$ "	260 00	280 00
2216	8 "	18 x 9 " 4 in.	2 " 7 $\frac{1}{2}$ "	290 00	305 00
2218	8 "	20 x 8 " 8 $\frac{1}{2}$ in.	2 " 5 "	300 00	320 00
2220	8 "	22 x 8 "	2 " 2 "	300 00	320 00
2224	10 "	18 x 9 " 4 in.	2 " 7 $\frac{1}{2}$ "	315 00	335 00
2226	10 "	20 x 8 " 8 $\frac{1}{2}$ in.	2 " 5 "	330 00	360 00
2228	10 "	22 x 8 "	2 " 2 "	330 00	360 00
2229	15 "	22 x 8 "	2 " 2 "	435 00	455 00
2234	15 "	22 x 9 " 8 $\frac{1}{2}$ in.	2 " 8 "	445 00	465 00
2236	15 "	24 x 9 "	2 " 5 "	445 00	465 00
2240	20 "	22 x 8 "	2 " 2 "	500 00	530 00

## SHALLOW PIT. SOLID LEVER PATTERN

In Buffalo Shallow Pit Wagon Scales the levers are heavy enough not to require truss rods—a construction similar to that of R. R. Track Scale levers. Such scales while slightly more expensive than the trussed lever pattern are very desirable for damp pits where truss rods may rust enough to impair the accuracy of the scale.

See page 118 as to steel construction.

No.	Capacity	Platform	Edge of Platform to Beam Rod	Price Double Beam	Price Comp. Beam
2200	3 tons	14 x 7 feet	1 ft. 8 $\frac{1}{2}$ ins.	\$165 00	\$185 00
2202	4 "	15 x 8 "	2 " 1 $\frac{1}{2}$ "	185 00	205 00
2206	5 "	15 x 8 "	2 " 1 $\frac{1}{2}$ "	220 00	240 00
2208	6 "	15 x 8 "	2 " 1 $\frac{1}{2}$ "	245 00	275 00
2214	8 "	16 x 8 "	2 " 2 "	295 00	325 00
2222	10 "	16 x 8 "	2 " 2 "	320 00	350 00
2230	12 "	16 x 8 "	2 " 2 "	340 00	370 00
2232	15 "	16 x 8 "	2 " 2 "	410 00	440 00



## STEEL FRAMED WAGON AND STOCK SCALES

Steel is much superior to timber for framing a wagon scale. It is a more rigid, substantial, durable construction. It is easily assembled and if there is any occasion to move the scale, it is easily taken apart.

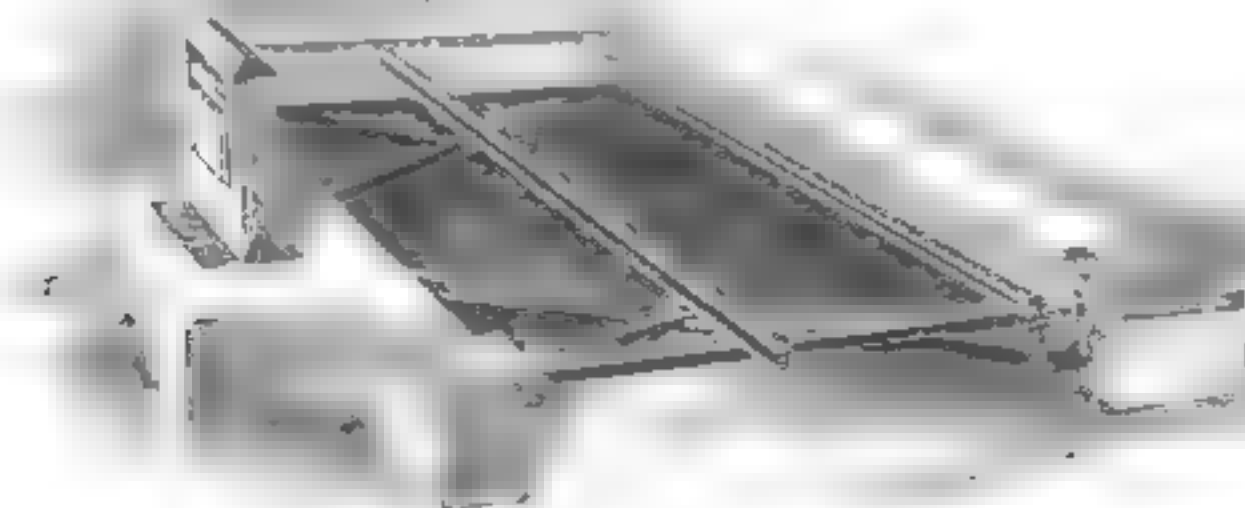
Where steel framing is used, the only lumber required is for the platform and beam box.

We will be glad to quote prices on steel fabricated and ready to assemble for any Buffalo Wagon, Miner, Depot or R. R. Track Scale.

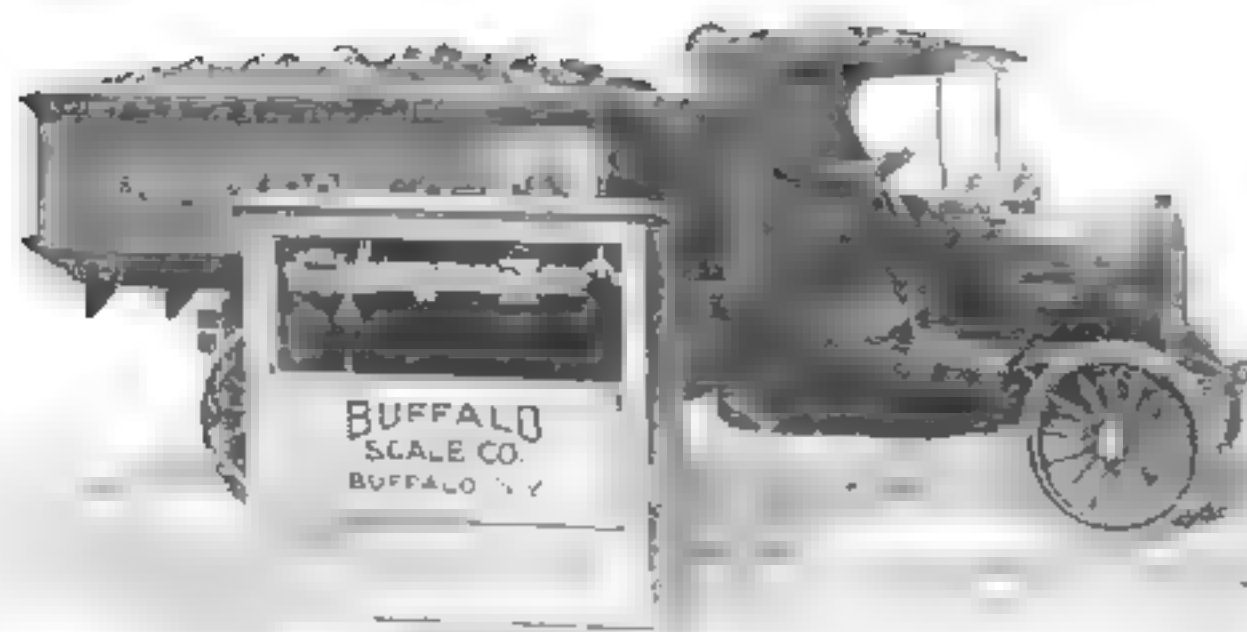
However, where the freight haul is long, the necessary steel may be bought from local dealers in accordance with our specifications and the freight charges saved.

We strongly recommend steel construction.

For list prices of Wagon Scales see page 117.



Steel framed Wagon Scales with platform planking removed  
 Upper illustration shows full steel framing. Lower illustration shows partial steel frame with coping of concrete.



## BUFFALO AUTO TRUCK SCALES

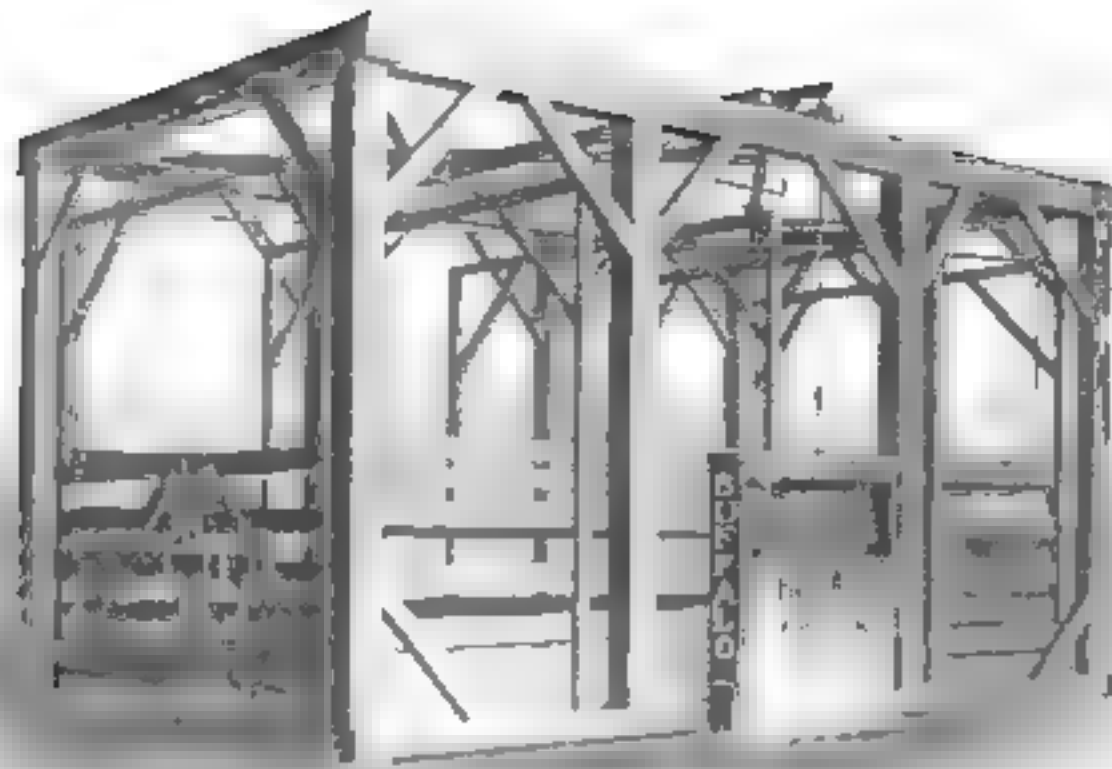
Buffalo Auto Truck Scales are of the Railroad Track Scale type; see details shown on page 129.

High powered automobile trucks, like railroad rolling stock, put unusual shock and strain on scales. This type is designed to withstand such hard service.

While timber framing may be used, steel is strongly recommended as being more satisfactory.

List prices cover scale mechanism only. Customer furnishes structural steel unless otherwise quoted; also lumber, including beam box, and the foundation.

No.	Capacity	Platform	Edge of Platform to Beam Rod	Price Double Beam	Price Comp. Beam
2238	10 tons	16 x 8 feet	3 feet 5 1/2 inches	\$475 00	\$505 00
2239	15 "	16 x 8 "	3 " 5 1/2 "	500 00	530 00
2241	20 "	16 x 8 "	3 " 5 1/2 "	525 00	555 00
2242	25 "	16 x 8 "	3 " 5 1/2 "	500 00	530 00
2243	15 "	18 x 8 "	3 " 5 1/2 "	600 00	630 00
2244	20 "	18 x 8 "	3 " 5 1/2 "	625 00	655 00
2245	30 "	18 x 8 "	3 " 5 1/2 "	675 00	705 00
2246	15 "	22 x 8 "	3 " 5 1/2 "	650 00	680 00
2247	20 "	22 x 8 "	3 " 5 1/2 "	675 00	705 00
2248	20 "	24 x 9 "	3 " 11 1/2 "	700 00	730 00
2249	30 "	24 x 9 "	3 " 11 1/2 "	725 00	755 00



## SUSPENSION WAGON SCALES

WITH DOUBLE BRASS BEAM

Graduated by 2½-pound marks.

Timber, including beam box, also foundation for above scales to be furnished by purchaser. The frame should be protected by a roof.

No.	Capacity	Size of Platform	Price
2250	3 tons	14 x 12 feet	\$220 00
2252	4 "	14 x 12 "	245 00
2254	5 "	14 x 12 "	270 00
2256	6 "	14 x 12 "	315 00
2258	8 "	14 x 12 "	340 00
2260	10 "	14 x 12 "	365 00
2262	6 "	16 x 12 "	325 00
2264	6 "	18 x 12 "	335 00
2266	6 "	24 x 12 "	355 00
2268	10 "	16 x 12 "	375 00
2270	10 "	18 x 12 "	385 00
2272	10 "	24 x 12 "	400 00





## DUMP SCALES

Beams graduated by  $2\frac{1}{2}$ -pound marks.

For use in elevators and grain warehouses for convenient and quick weighing and dumping of grain.

The platforms of these scales are entirely free from levers, so that any dump can be built in the platform.

Prices are exclusive of timber and foundation.

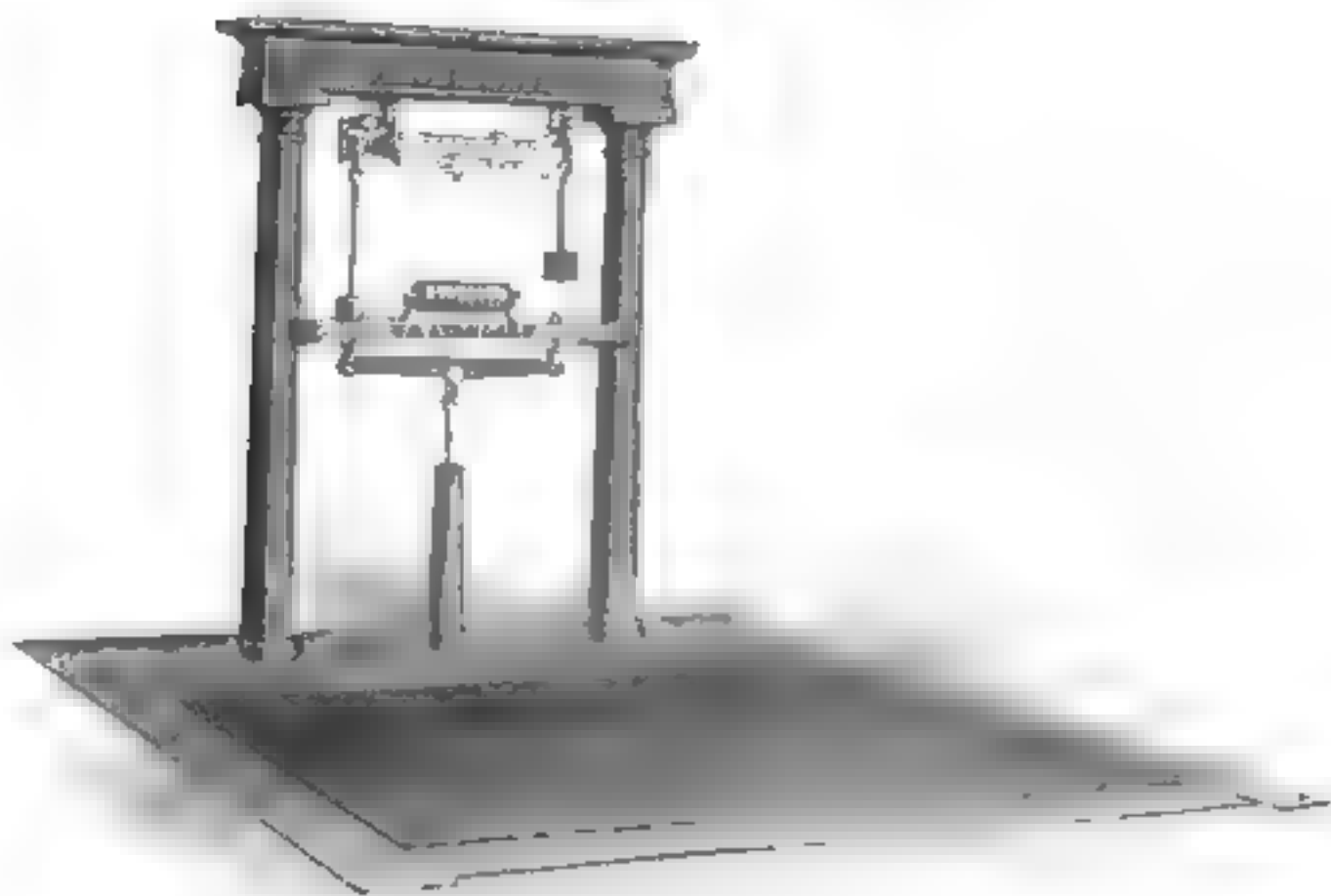
No.	Capacity	Size of Platform	Price
2300	4 tons	16 x 8 feet	\$190 00
2302	5 "	16 x 8 "	220 00
2304	6 "	22 x 8 "	265 00
2306	8 "	22 x 8 "	300 00

For list on iron pillar outfit for beams, as shown, see page 127.

With above scales we can furnish dump irons as follows:

Our own manufacture, extra, net, \$15.00.

Controllable, extra, net, \$40.00.



## RAILROAD DEPOT SCALES

### WITH PILLARS AND CAP

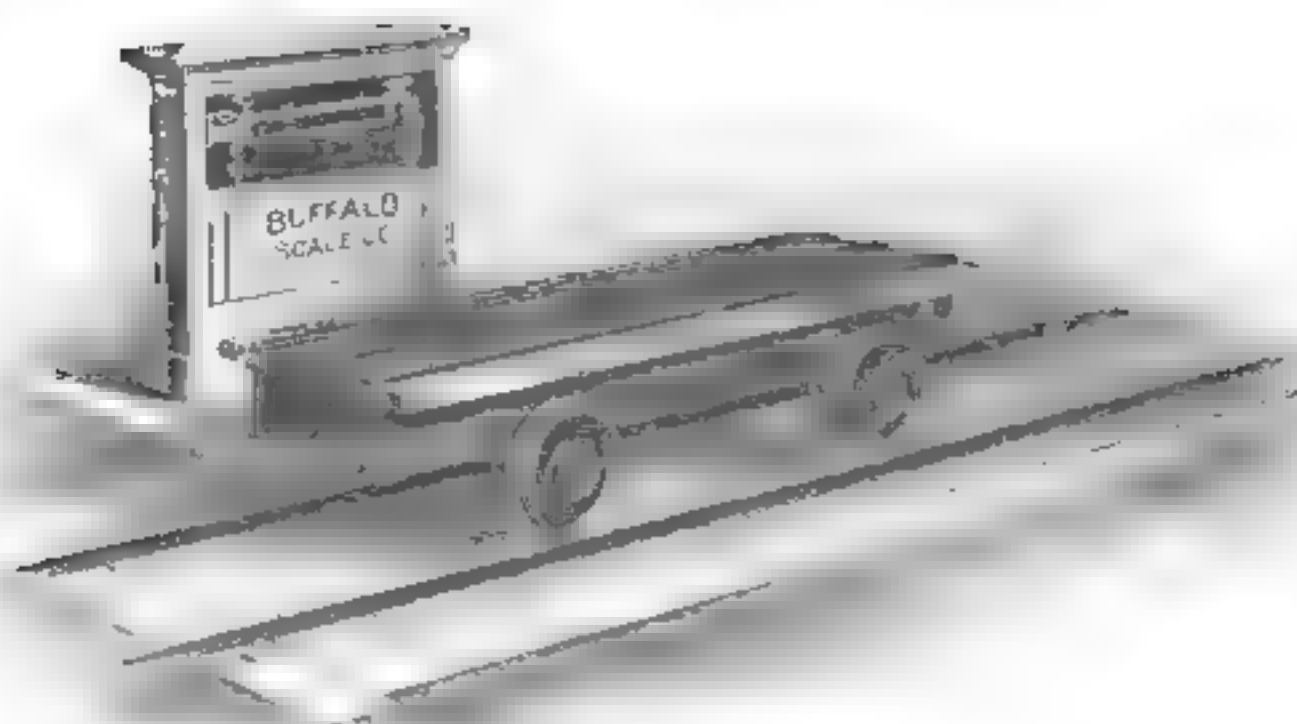
This scale is designed for use in freight houses and factories for heavy weighing. Prices named are exclusive of foundations or timber, including beam box, which are to be furnished by purchaser.

Double beam \$8.00 more than single beam.

### GRADUATION OF BEAMS

2 ton—Single beam.....	500 lbs. x 2	lbs.
3 to 10 ton—Single beam.....	1000 lbs. x 2 ½	lbs.
2 ton—Double beam.....	Each bar 500 lbs. x 2	lbs.
3 to 10 ton—Double beam } .....	Top bar 2000 lbs. x 2	lbs.
	Lower bar 1000 lbs. x 2 ½	lbs.

No.	Capacity	Platform	Price Single Beam	Price Comp. Beam
2292	2 tons	4 ½ x 3 feet	\$145 00	\$165 00
2286	2 "	5 x 4 "	170 00	190 00
2274	2 "	6 x 5 "	175 00	195 00
2275	2 "	8 x 5 "	175 00	195 00
2282	3 "	6 x 4 "	180 00	200 00
2284	3 "	6 x 5 "	195 00	215 00
2276	3 "	8 x 6 "	200 00	220 00
2288	4 "	6 x 5 "	200 00	220 00
2290	4 "	8 x 6 "	205 00	225 00
2278	4 "	9 x 7 "	210 00	230 00
2294	5 "	6 x 5 "	220 00	240 00
2296	6 "	9 x 7 "	220 00	250 00
2280	6 "	10 x 9 "	240 00	270 00



## INDUSTRIAL RAILWAY SCALES

The use of light, narrow gauge tracks with push cars in all kinds of modern plants has created a demand for this type of small track scale.

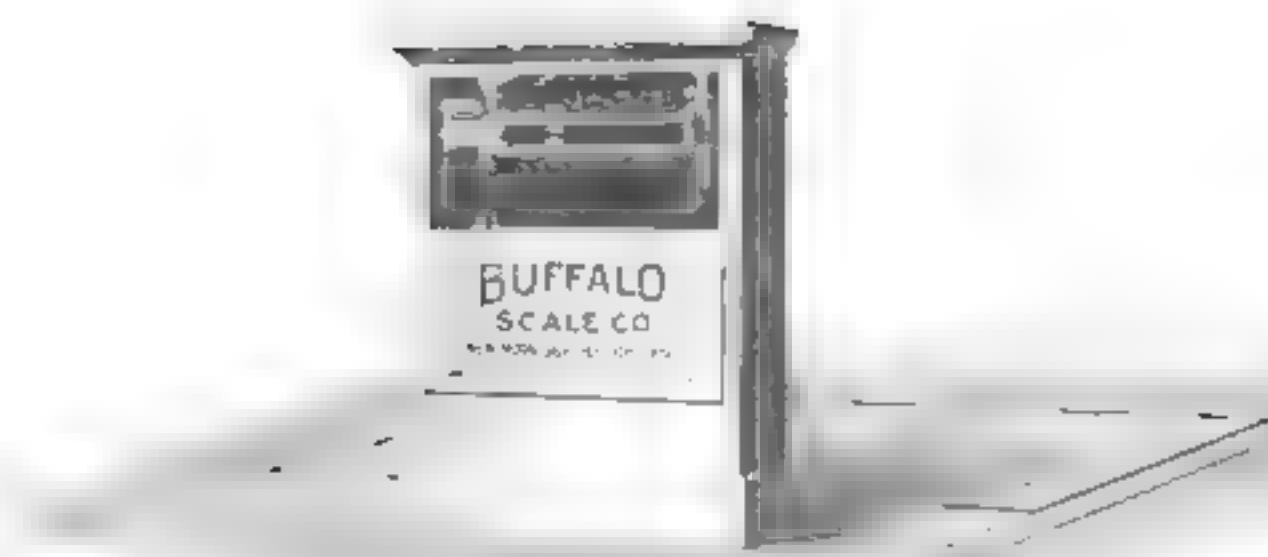
They may be had for any gauge of track and may be erected with timber or structural steel, with wood, boiler plate or cast plate platforms.

In addition to scales mentioned below, we recommend our Single Pillar Dormant Scales for this purpose. See page 93.

We will also be pleased to make quotations on special scales of this type as may be desired.

Timber, including beam box, to be furnished by purchaser.

No.	Capacity	Platform	Center of Platform to Beam	Price Single Beam	Price Double Beam	Price Comp. Beam
2297	2 tons	5 feet x 27 inches	43 inches	\$125 00	\$135 00	\$145 00
2298	3 "	5 feet x 27 "	43 "	135 00	145 00	155 00
2299	5 "	5 feet x 27 "	43 "	145 00	155 00	165 00
2301	6 "	12 feet x 27 "	43 "	225 00	235 00	245 00



## MINERS' AND TRANSPORTATION SCALES

### WITHOUT PILLARS OR CAP

This scale is designed for weighing small cars, heavy machinery and bulky articles in factories. Special sizes may be furnished if desired.

Double beam, \$8.00 more than single beam.

Purchasers furnish foundation, lumber and beam box.

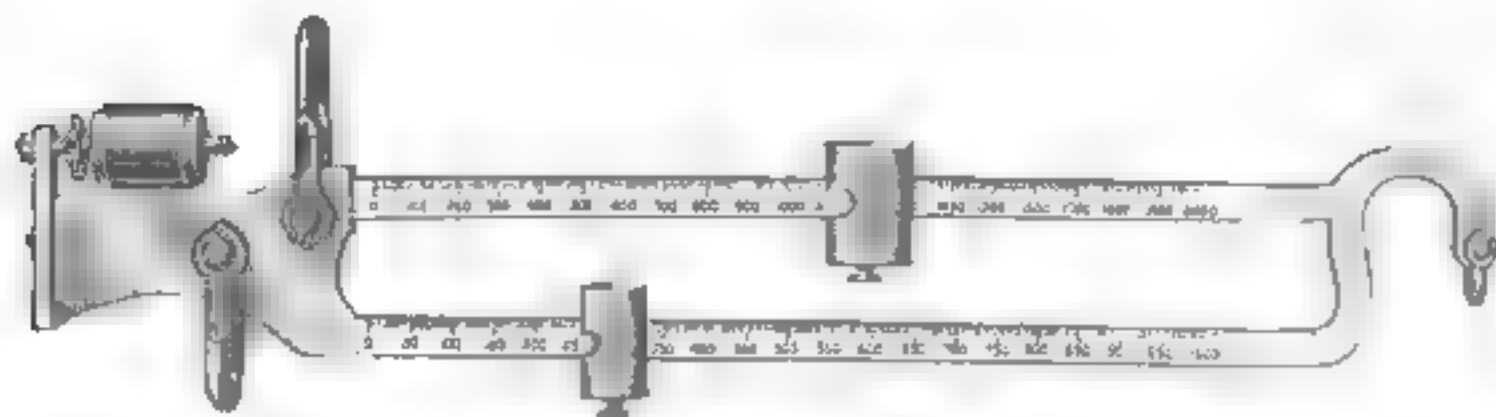
#### GRADUATION OF BEAMS

2 ton—Single beam	500 lbs x 2 lbs.
3 to 10 ton—Single beam	1000 lbs x 2 ½ lbs.
2 ton—Double beam.	Each bar 500 lbs x 2 lbs.
3 to 10 ton—Double beam } ∴	Top bar 2000 lbs. x 5 lbs.
	Lower bar 1000 lbs x 2 ½ lbs.

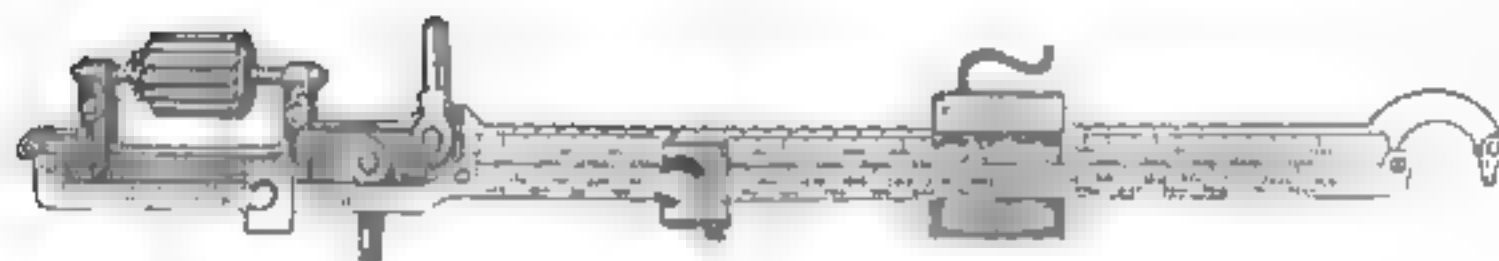
No.	Capacity	Platform	Edge of Platform to Beam Rod	Price Single Beam	Price Comp'd Beam
2350	2 tons	4 ½ x 3 feet	2 feet 0 inches	\$115 00	\$135 00
2352	2 "	5 " x 4 "	1 " 6 "	130 00	150 00
2354	2 "	8 " x 5 "	1 " 6 "	135 00	155 00
2356	3 "	6 " x 4 "	1 " 7 "	140 00	160 00
2358	3 "	6 " x 5 "	1 " 6 "	155 00	175 00
2360	3 "	8 " x 6 "	1 " 10 "	160 00	180 00
2362	4 "	6 " x 5 "	1 " 6 "	160 00	180 00
2364	4 "	8 " x 6 "	1 " 10 "	165 00	185 00
2366	4 "	9 " x 7 "	2 " 5 ½ "	170 00	190 00
2368	5 "	6 " x 5 "	1 " 6 "	180 00	200 00
2370	6 "	9 " x 7 "	2 " 5 ½ "	180 00	210 00
2372	6 "	10 " x 9 "	2 " 0 "	200 00	230 00
2374	8 "	9 " x 7 "	2 " 5 ½ "	210 00	240 00
2376	8 "	10 " x 9 "	2 " 0 "	230 00	260 00
*2380	10 "	10 " x 10 "	2 " 6 "	250 00	280 00

\* All Steel Miner

## BEAMS FOR WAGON, MINER AND R. R. DEPOT SCALES

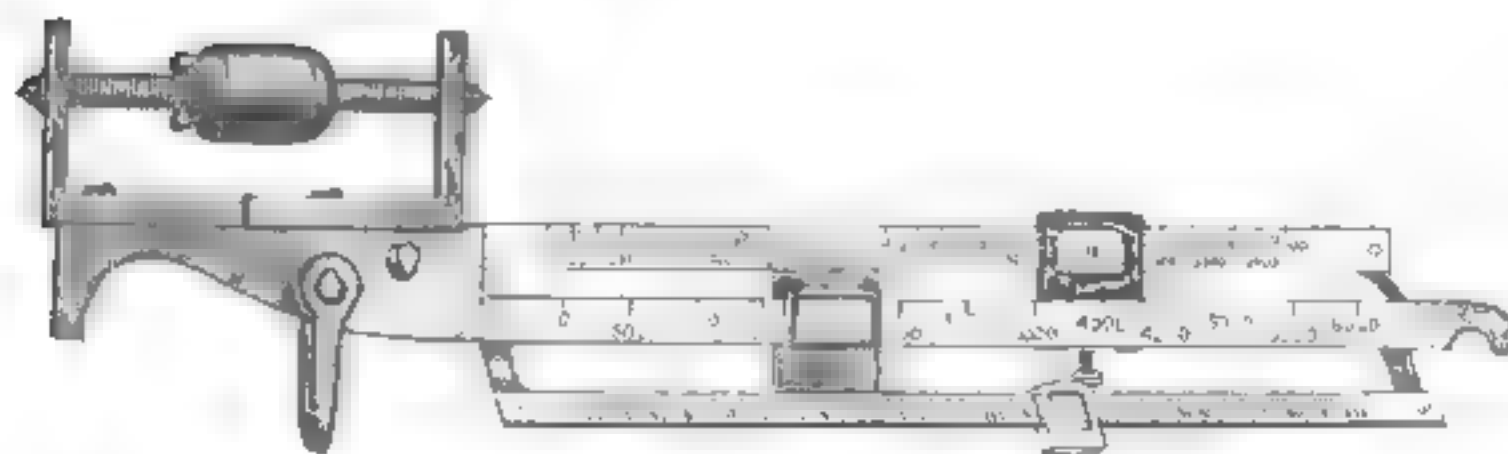


DOUBLE BEAM



COMPOUND BEAM

Requiring no loose weights.



COMBINATION BEAM

Requiring no loose weights.

For Recording Beams see page 128.

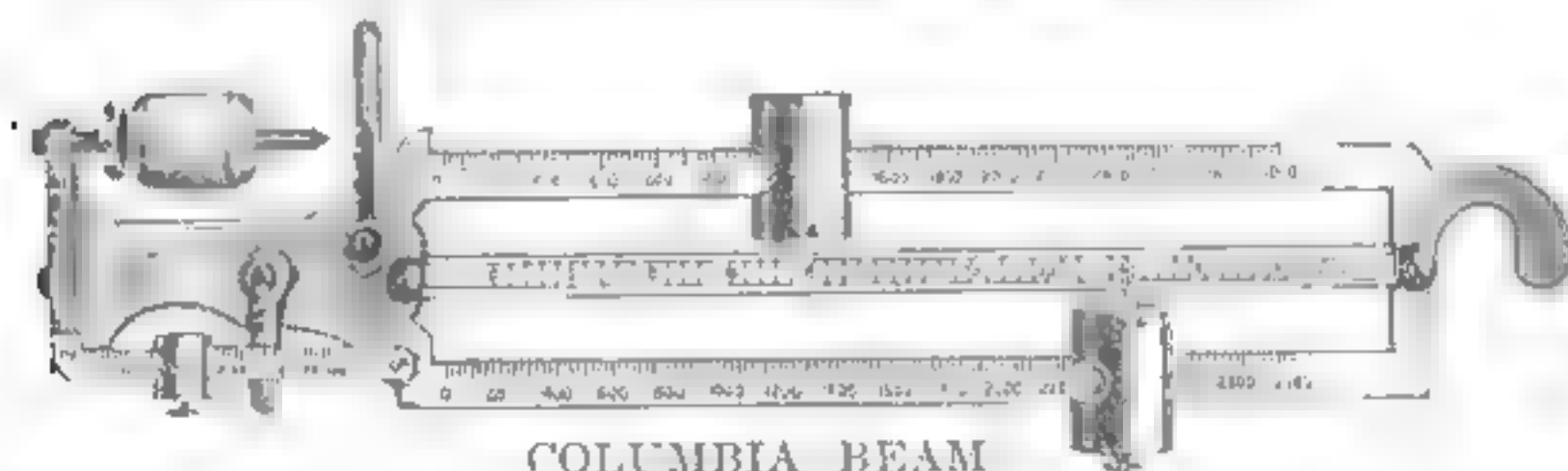
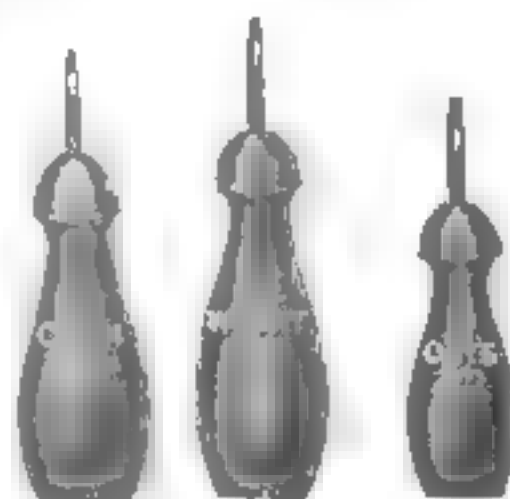
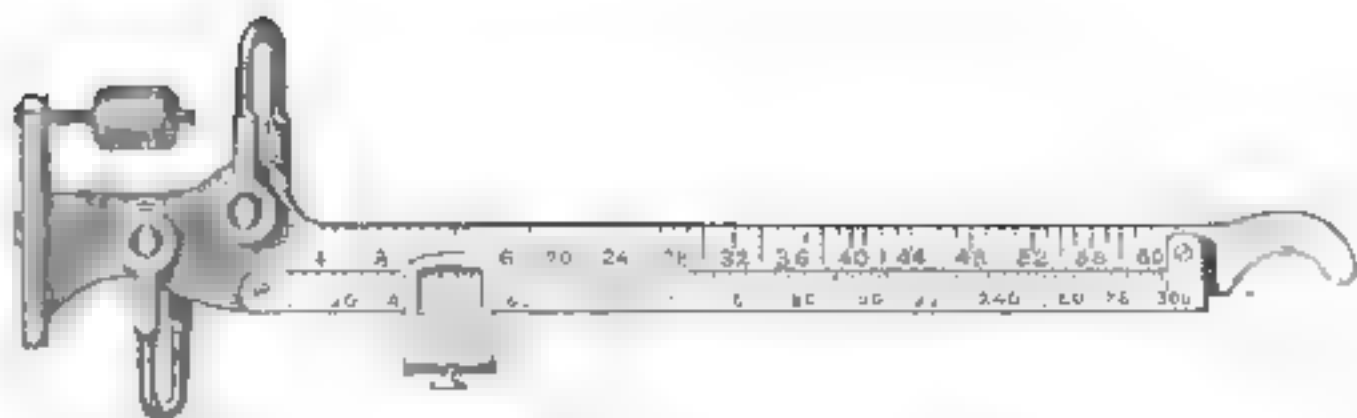
## GRAIN BEAMS

The main beam is notched but is balanced without a poise.

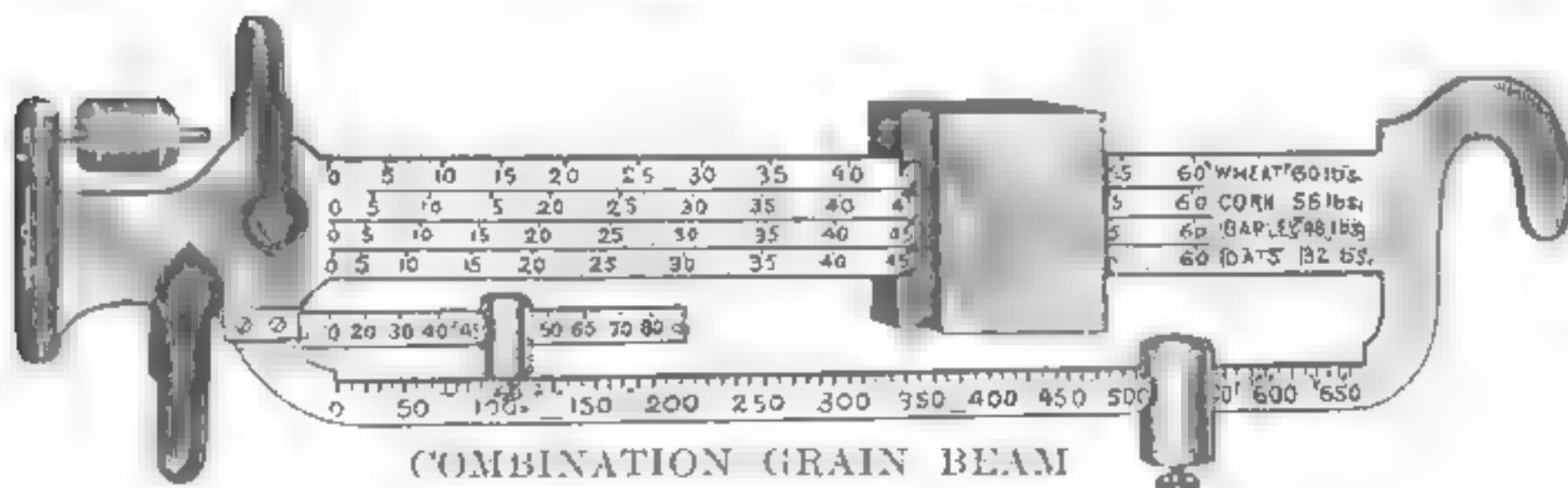
The notches on main beam are marked 1, 2, 3, 4, etc. If the wheat poise is hung in a certain notch, it will balance so many bushels of *wheat*, while the oat poise at the same notch would indicate the same number of bushels of *oats*, and so on. Any number of poises may be used with this scale, and may, of course, be adjusted so as to weigh any commodities in any denominations. The small beam in front of the main beam is marked in 1-pound graduations up to 300 pounds, and is used for taking tare or of weighing fractions of bushels. Unless otherwise ordered, these beams will be furnished with brass poises— for wheat 60 pounds to a bushel, corn 56 pounds to a bushel, and oats 32 pounds to a bushel.

Price, with 40 and 60-bushel scales, \$20.00 extra.

Price, with 100 and 150-bushel scales, \$30.00 extra.



COLUMBIA BEAM

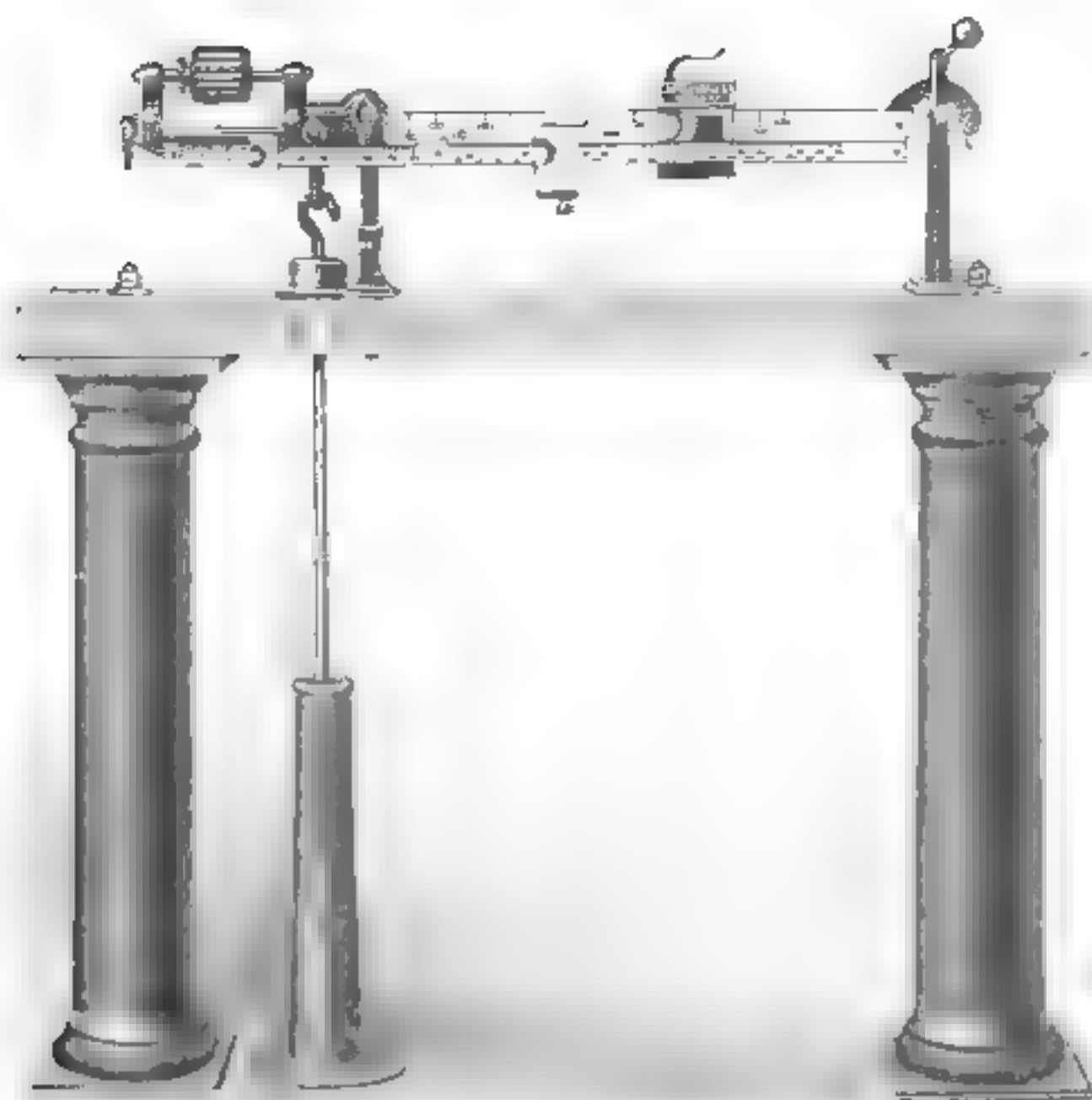


COMBINATION GRAIN BEAM

Price, with 60-bushel scales, \$25.00 extra.

Price, with 100-bushel scales, \$30.00 extra.

Price, with 125 to 150-bushel scales, \$40.00 extra.



## SHORT IRON PILLAR BEAM OUTFIT

This substantial and convenient beam outfit may be furnished with any Miner, Wagon, Stock or Railway Scales. It is especially designed for durability and convenience in use. Prices do not include beam, counterpoise or weights.

3 to 5-ton scales . . . . .	\$25 00
6 to 15-ton scales . . . . .	30 00
Scales of over 15 tons capacity . . . . .	35 00
Goose-necks, alone, per set. . . . .	6 00

## TALL IRON PILLAR BEAM OUTFIT

This outfit is furnished with Miner, Wagon, Stock or Railway Scales at the following prices, to be added to the prices of the scale, these prices not including beam, counterpoise or weights.

3 to 5-ton scales . . . . .	\$40 00
6-ton scales and over. . . . .	50 00



## RECORDING BEAMS

FOR RAILWAY TRACK, WAGON, COAL AND  
HOPPER SCALES

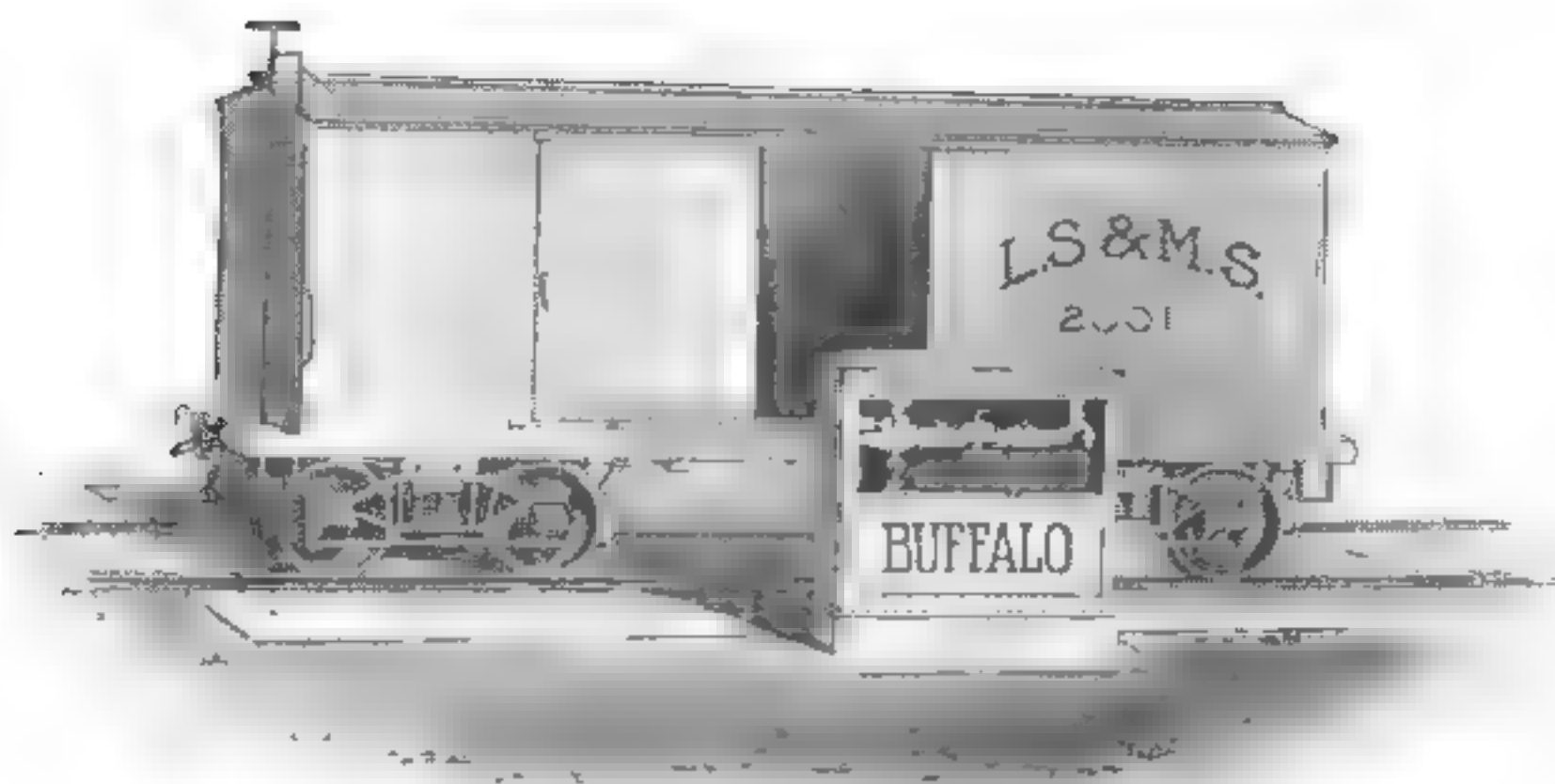
The above illustration represents our Recording or Type Registering Beam, whereby a ticket is printed or stamped, giving a true record of each load weighed. This record entirely prevents the errors which so frequently arise through mistakes in reading the weight.

The device consists of raised figures of hard bronze, on the under side of the beam, corresponding with the regular graduations. There are two slots in the face of the poise, to be used respectively in taking the gross and tare weights, and their relative positions are such that the weights will be printed one over the other for convenience in calculation.

The weighing is done as in the ordinary manner, and, in order to obtain a printed record, a card is inserted in slot and the handle pulled, which forces card into contact with the hard type, and prints the record.

Prices quoted upon application.





## RAILROAD TRACK SCALES

### IRON FRAME, SHALLOW PIT

Buffalo Railroad Track Scales are used by the most exacting railroad, mine and mill trade in the United States and foreign countries. The Pit Scale is the one most commonly used, though the suspended pattern is desirable for many locations. Plans will be furnished for either timber or steel construction. The scales may be built with a dead rail, for the use of locomotives, thus avoiding unnecessary wear. The beam may be single, double, triple or recording. See pages 128 and 136.

An expert mechanic can be furnished to aid and superintend the erection of Buffalo Railroad Track Scales. When writing for prices, give full information as to length and capacity of scales desired, gauge of track, style of beam and where scale is to be located.

All Railroad Track Scales, Pit Pattern, except Suspension Bearing type, are 7 feet 6 inches in width and so furnished, unless otherwise ordered. Where scales are constructed with dead rail, platforms are 7 feet in width.

No.	Capacity	Length	Price
2400	15 or 20 tons	6 feet	\$375 00
2402	30 tons	6 "	400 00
2404	40 "	6 "	425 00
2406	50 "	6 "	450 00
2408	20 "	8 "	400 00
2410	30 "	8 "	425 00
2412	40 "	8 "	450 00
2414	50 "	8 "	475 00
2416	20 "	10 "	425 00
2418	30 "	10 "	450 00
2420	40 "	10 "	475 00
2422	50 "	10 "	500 00
2424	60 "	10 "	525 00
2426	20 "	12 "	450 00

# RAILROAD TRACK SCALES

(CONTINUED)

No.	Capacity	Length	Price
2428	30 tons	12 feet	\$475 00
2430	40 "	12 "	500 00
2432	50 "	12 "	525 00
2434	60 "	12 "	550 00
2436	20 "	14 "	475 00
2438	30 "	14 "	500 00
2440	40 "	14 "	525 00
2442	50 "	14 "	550 00
2444	60 "	14 "	575 00
2446	20 "	16 "	500 00
2448	30 "	16 "	525 00
2450	40 "	16 "	550 00
2452	50 "	16 "	575 00
2454	60 "	16 "	600 00
2456	20 "	18 "	525 00
2458	30 "	18 "	550 00
2460	40 "	18 "	575 00
2462	50 "	18 "	600 00
2464	60 "	18 "	625 00
2466	20 "	20 "	600 00
2468	30 "	20 "	625 00
2470	40 "	20 "	650 00
2472	50 "	20 "	675 00
2474	25 "	24 "	700 00
2476	25 "	26 "	725 00
2478	30 "	28 "	750 00
2480	30 "	30 "	875 00
2482	40 "	30 "	900 00
2484	40 "	32 "	925 00
2486	40 "	34 "	1000 00
2488	50 "	34 "	1025 00
2490	60 "	34 "	1050 00
2492	70 "	34 "	1075 00
2494	40 "	36 "	1025 00
2496	50 "	36 "	1050 00
2498	60 "	36 "	1075 00
2500	70 "	36 "	1100 00
2502	80 "	36 "	1125 00
2503	100 "	36 "	1150 00
2504	50 "	38 "	1075 00
2506	60 "	38 "	1100 00
2508	70 "	38 "	1125 00
2510	80 "	38 "	1150 00
2511	100 "	38 "	1200 00
2512	50 "	40 "	1100 00
2514	60 "	40 "	1125 00
2516	70 "	40 "	1150 00
2518	80 "	40 "	1175 00
2519	100 "	40 "	1225 00
2520	50 "	42 "	1125 00
2522	60 "	42 "	1150 00
2524	70 "	42 "	1175 00
2526	80 "	42 "	1200 00
2527	100 "	42 "	1350 00
2528	50 "	44 "	1150 00
2530	60 "	44 "	1175 00
2532	70 "	44 "	1200 00

# RAILROAD TRACK SCALES

## (CONTINUED)

No.	Capacity	Length	Price
2534	80 tons	44 feet	\$1225 00
2535	100 "	44 "	1375 00
2536	50 "	46 "	1175 00
2538	60 "	46 "	1200 00
2540	70 "	46 "	1225 00
2542	80 "	46 "	1250 00
2543	100 "	46 "	1400 00
2544	50 "	50 "	1325 00
2546	60 "	50 "	1350 00
2548	70 "	50 "	1375 00
2550	80 "	50 "	1400 00
2551	100 "	50 "	1450 00
2552	50 "	52 "	1350 00
2554	60 "	52 "	1375 00
2556	70 "	52 "	1400 00
2558	80 "	52 "	1425 00
2559	100 "	52 "	1475 00
2560	50 "	56 "	1400 00
2562	60 "	56 "	1425 00
2564	70 "	56 "	1450 00
2566	80 "	56 "	1475 00
2567	100 "	56 "	1625 00
2570	60 "	60 "	1575 00
2572	70 "	60 "	1600 00
2574	80 "	60 "	1625 00
2575	100 "	60 "	1675 00
2580	70 "	62 "	1625 00
2582	80 "	62 "	1650 00
2583	100 "	62 "	1700 00
2584	70 "	64 "	1650 00
2586	80 "	64 "	1675 00
2587	100 "	64 "	1725 00
2590	80 "	66 "	1700 00
2591	100 "	66 "	1850 00
2594	80 "	68 "	1725 00
2593	100 "	68 "	1875 00
2598	80 "	70 "	1850 00
2599	100 "	70 "	1900 00
2600	80 "	72 "	1875 00
2601	100 "	72 "	1925 00
2603	100 "	80 "	2130 00
2605	100 "	84 "	2190 00
2606	100 "	112 "	2800 00
2608	150 "	123 "	3200 00
2610	150 "	130 "	3700 00

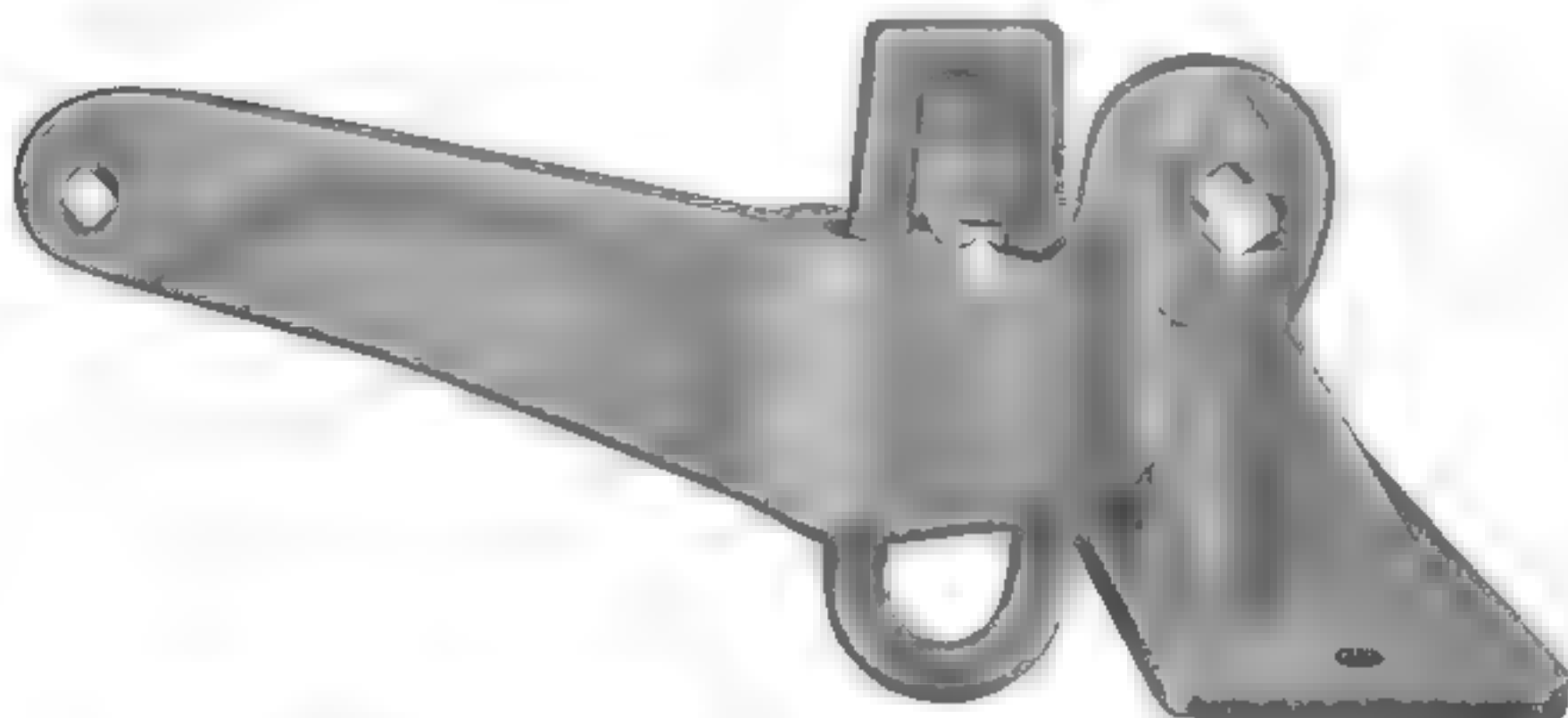
Double beam, \$20.00 list, extra.

Triple beam, \$35.00 list, extra.

Gridiron beam, \$75.00 list, extra.

Exclusive of timber and foundation. Suspension Track Scales  
made to order.

## HEAVY DUTY SUSPENDED BEARING RAILROAD TRACK SCALE



Main Lever of Buffalo 150-ton R. R. Track Scale with Yoke Removed

The increase in weight and capacity of railroad equipment has lead the transportation companies and others of late to demand 150 and 200-ton railroad track scales where ten years ago 80 and 100-ton scales were sufficiently heavy for their use.

In addition to demanding stronger and more durable scales, greater accuracy is also required.

To meet these conditions the Buffalo Scale Company is building a single link, center connected, suspension bearing scale. The general lever plan of this scale conforms to the standard construction used by the Buffalo Scale Company for some years and which has proven most satisfactory.

In the old type of scale, however, the main levers were swung in links from arches and the platform bearings rested solidly upon the main lever bearing pivots. In the new scale the main levers rest on chairs and the entire system of levers throughout the scale is at all times free from oscillation.

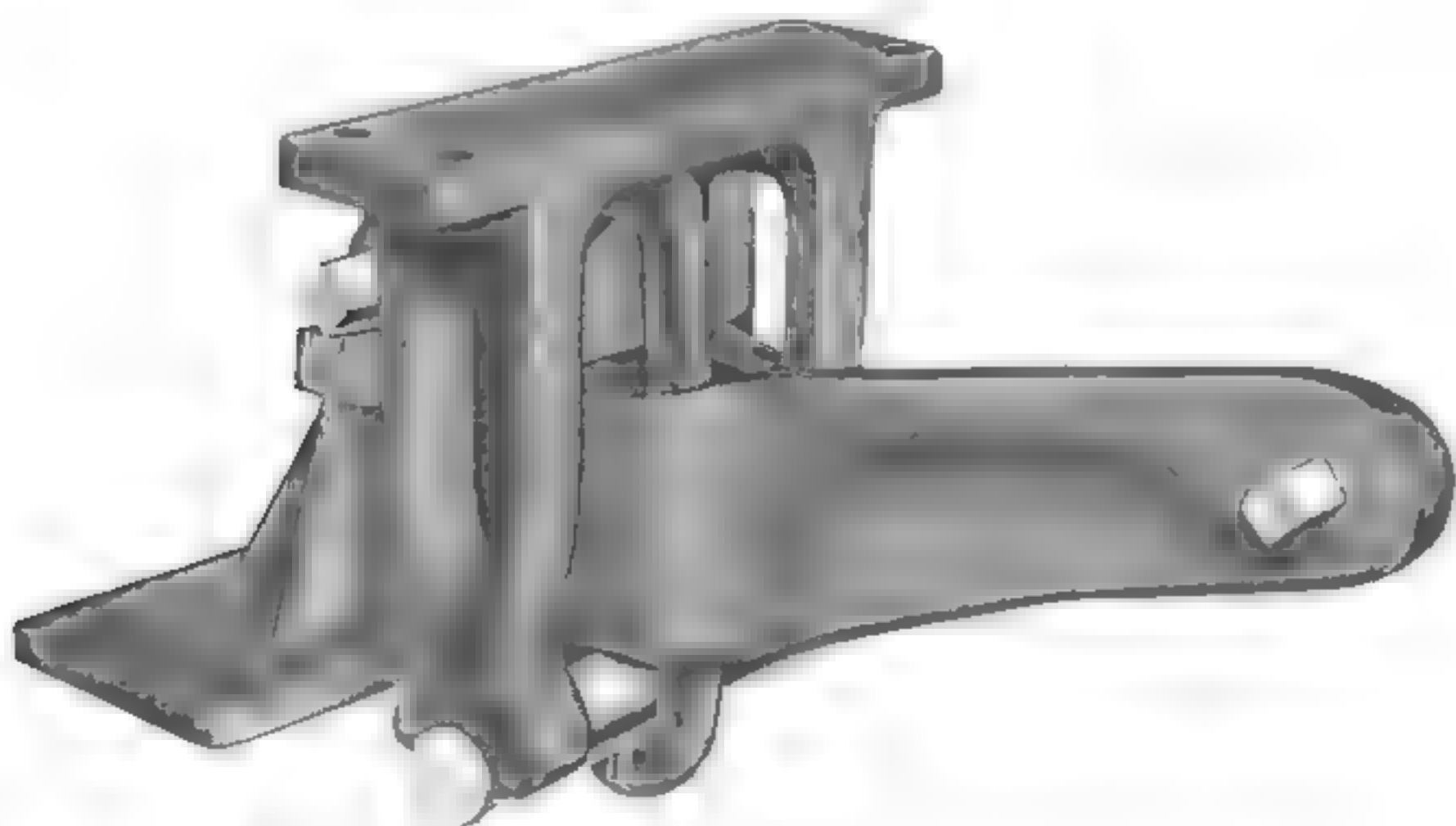
The suspension bearings carrying the platform consist first of a heavy bearing block resting on a main bearing-pivot of equal length. Over this block and extending downward through a vertical slot in the main lever hangs a heavy square topped steel link. Through the bottom of this link passes a steel pin and upon the ends of this pin rests the steel yoke which supports the platform.

In a 4-section scale eight (8) of these bearings carry the load. They permit free oscillation of the platform in all directions, save the pivots from wear and prevent change of balance in the scale, thereby ensuring great accuracy. In other suspension bearings using two links and a rocker bar, the oscillation is less free in a longitudinal than in a transverse direction.

The construction throughout is very heavy with 100% allowance for impact. All stresses are figured in accordance with the best modern engineering practice. Main bearing-pivots are 10½ inches in length, suspension links 23 inches in length; pivots are reinforced with cast iron backing.

The maximum of simplicity, strength and efficiency is claimed for this bearing.

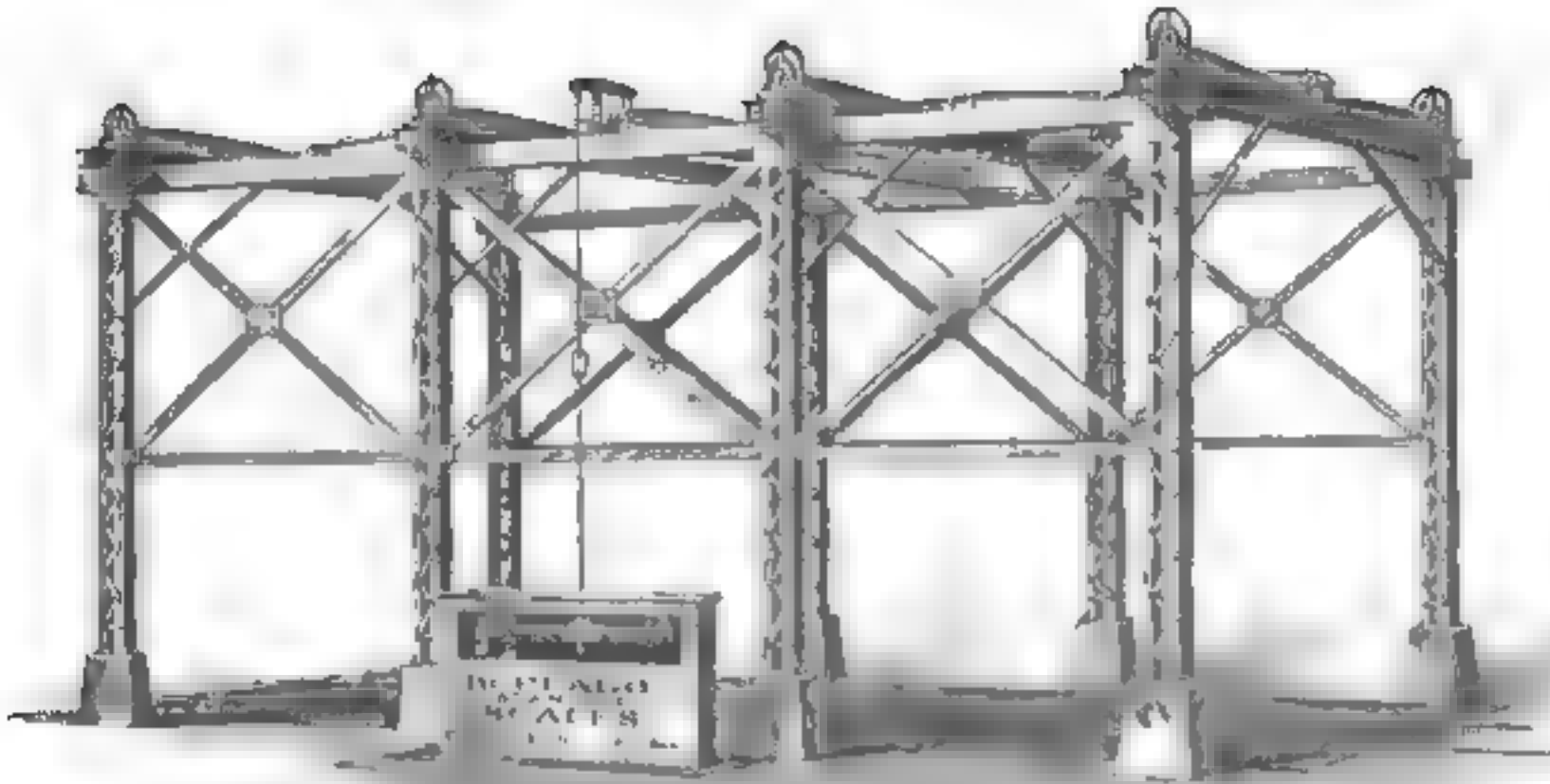
The Buffalo Heavy Duty Suspension Bearing Track Scale has been adopted by leading railroad systems and large manufacturing corporations of the United States. A detailed description of the scale with plans showing various styles of framing will be gladly submitted upon application.



Main Lever of Buffalo 150-ton R. R. Track Scale with Yoke



LEVER ARRANGEMENT OF BUFFALO 4 SECTIONS, 150-TON SUSPENSION  
BEARING R. R. TRACK SCALE

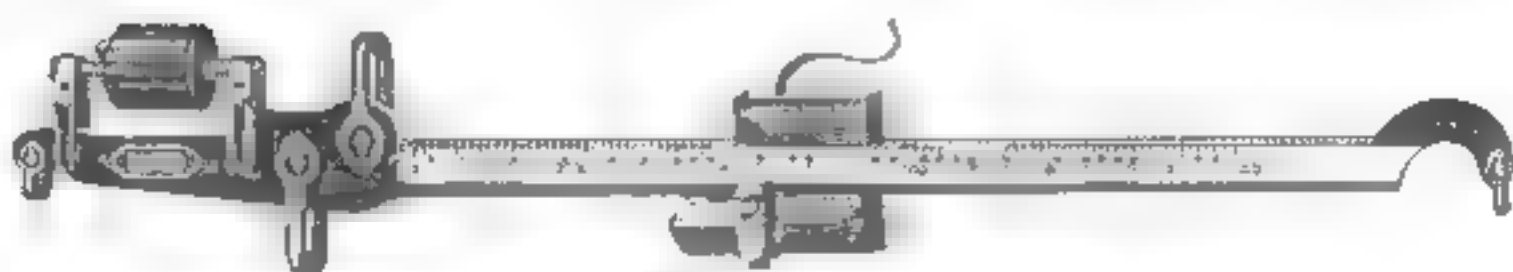


## SUSPENSION IRON-FRAME RAILROAD TRACK SCALES

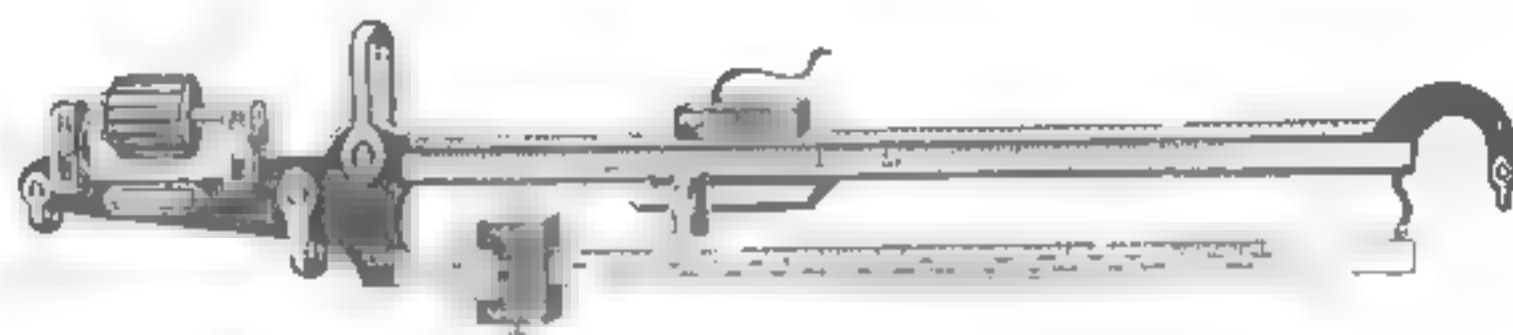
The Suspension Track Scale has been found very desirable for sections where the ground is low and wet, and will meet the requirements successfully. The working parts of scale are above and out of the way of all moisture or dirt. The scale may be protected by a light roof. It is made in all sizes. If desired, scales of this pattern may also be built with timber structure, instead of steel, as shown.

Plans and prices for suspension style of Railroad Track Scales will be submitted on application.

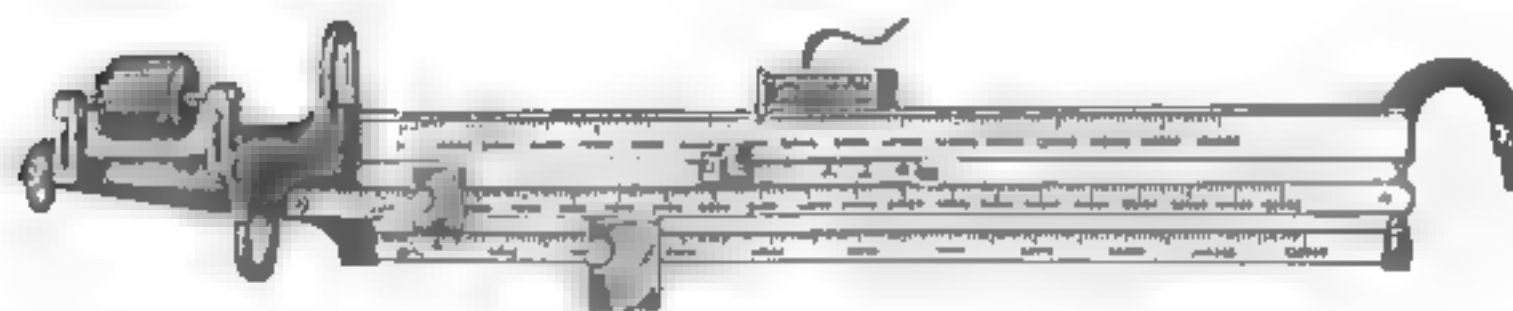
# BEAMS FOR RAILROAD TRACK SCALES



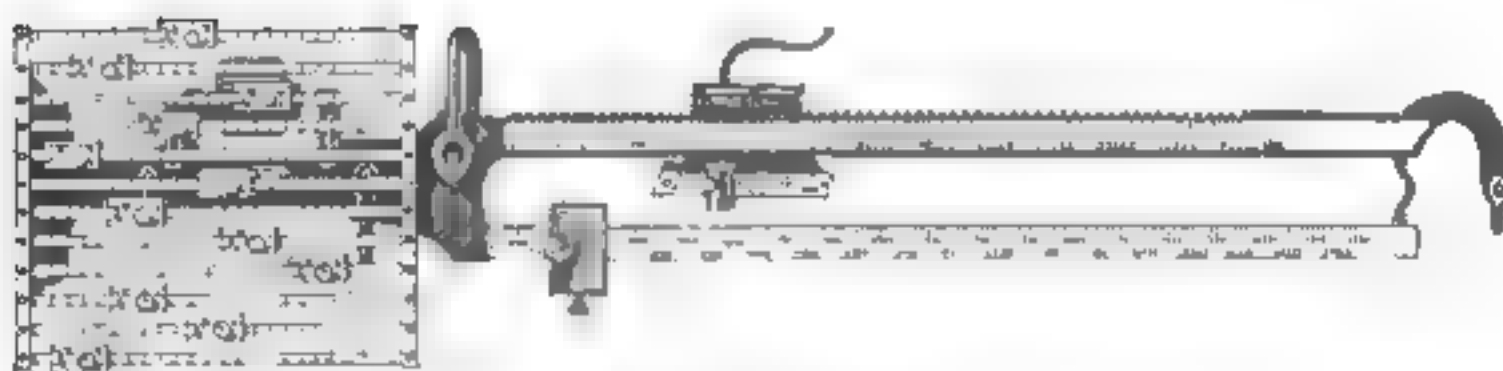
SINGLE BEAM



DOUBLE BEAM



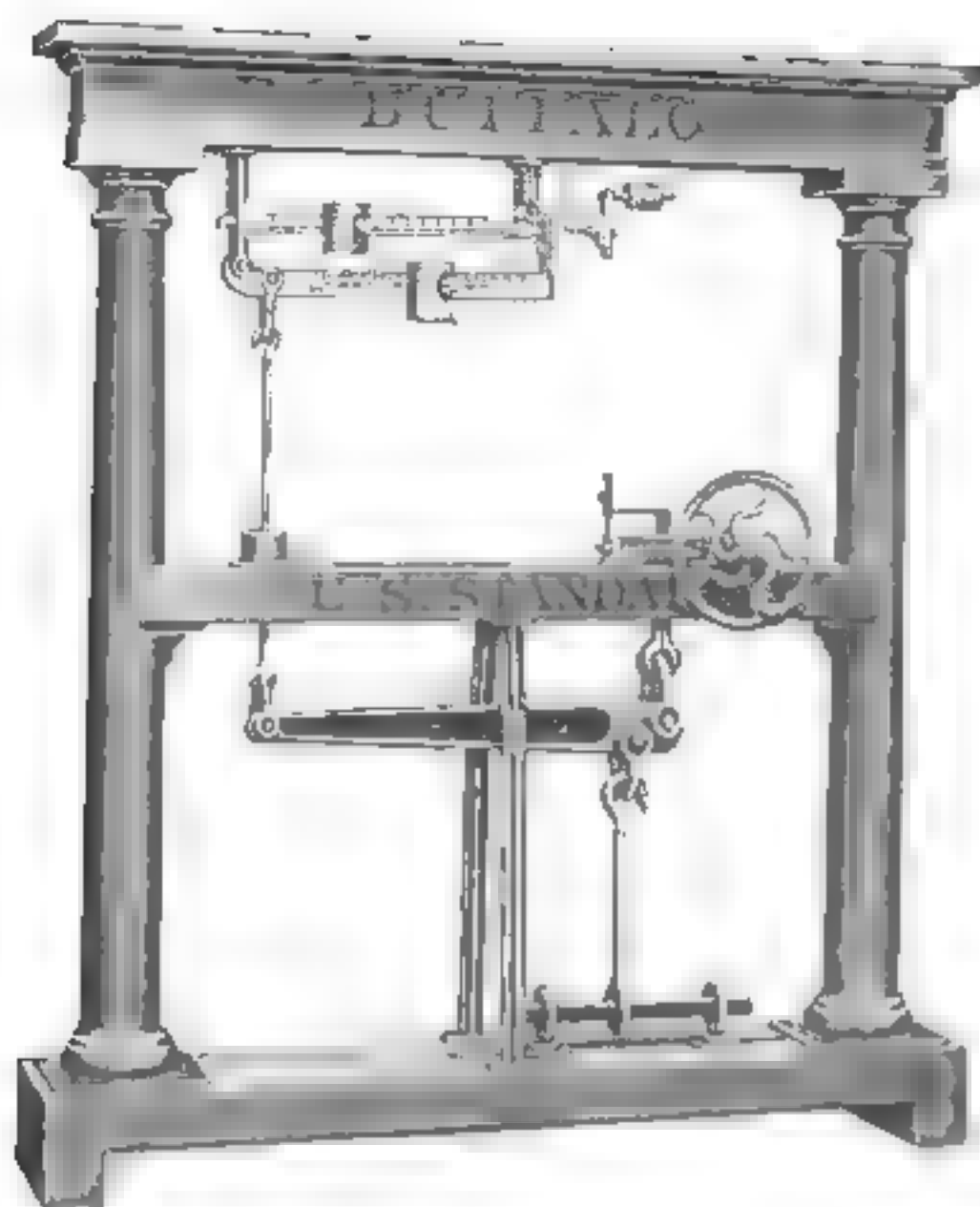
TRIPLE BEAM



GRIDIRON BEAM

For recording beams see page 128.





## TESTING MACHINE

This machine applies a transverse strain to 1 inch square bars, 12 to 24 inches long. It is substantially built with iron columns, hardwood base and heavy cap. The height is 6 feet, the length 5½ feet. It is worm driven and easily operated to its full capacity—5,000 pounds. No loose weights to be lost, the full capacity being marked on the beams. The hand wheel may be set on either side of the machine. An indicator records the amount of deflection. In use the operator stands upright, turning the wheel with one hand and moving the poises with the other. This is an ideal machine.

No.	Capacity	Price
2800	5000 lbs.	\$200 00

# SEALED IRON WEIGHTS

## WAGON, MINER AND DEPOT SCALES

	500 Lbs.	1000 Lbs.	2000 Lbs.	4000 Lbs.
2 lbs. per ton	\$0 30	\$0 30	\$0 45	\$0 75
4 lbs. per ton	30	45	75	.. ..
5 lbs. per ton	45	60	1 05	.. ..

## DORMANT AND PORTABLE PLATFORM SCALES

	50 Lbs.	100 Lbs.	200 Lbs.	300 Lbs.	400 Lbs.	500 Lbs.	600 Lbs.
$\frac{1}{2}$ -100		\$0 30	\$0 30		\$0 45	\$0 60	\$0 60
1 -100	\$0 30	30	45	\$0 60	75	90	1 05
Wheat	1 Bushel	2 Bushels	3 Bushels	5 Bushels	10 Bushels		
1-100	\$0 30	\$0 45	\$0 45	\$0 60	\$1 05		
Counter Platform	5 Lbs.	10 Lbs.	25 Lbs.	50 Lbs.	100 Lbs.		
1-50		\$0 15	\$0 15	\$0 30	\$0 30	\$0 60	

## BOSTON PLATFORM AND QUEEN CITY GROCER SCALES

10 Lbs.	20 Lbs.	40 Lbs.	80 Lbs.
\$0 25	\$0 25	\$0 30	\$0 60

## UNION SCALES

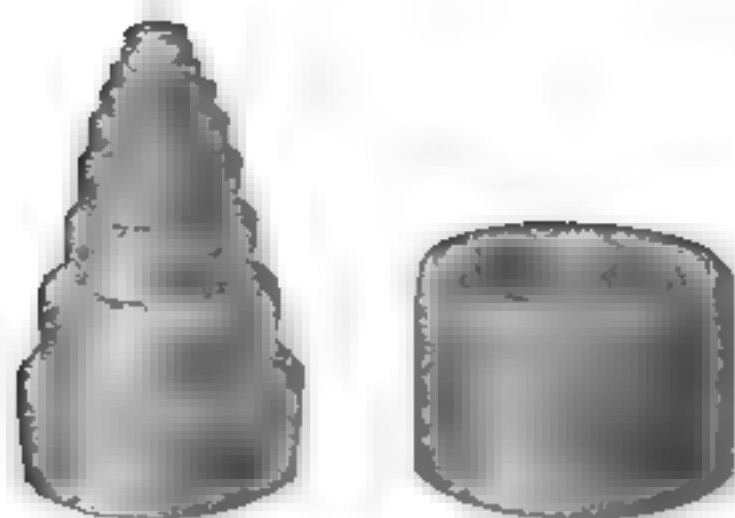
3- 24 Lbs.	5- 40 Lbs.	10- 80 Lbs.
\$0 15	\$0 30	\$0 45

## GROCER AND COUNTER SCALES

1 Lb.	2 Lbs.	4 Lbs.	8 Lbs.	10 Lbs.	20 Lbs.
\$0 15	\$0 30	\$0 30	\$0 45	\$0 60	\$0 90

## TEA AND DRUGGIST SCALES

$\frac{1}{4}$ Lb.	$\frac{1}{2}$ Lb.	1 Lb.	2 Lbs.	4 Lbs.
\$0 15	\$0 15	\$0 30	\$0 30	\$0 45



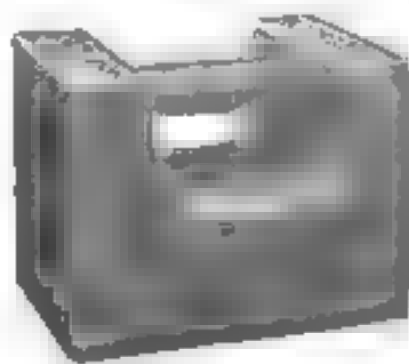
## NEST WEIGHTS

Capacity	Scaled Iron	Scaled Zinc	Scaled Brass
8 lbs. down	\$ 2 75	\$5 50	\$11 00
4 lbs. "	1 75	3 50	6 00
2 lbs. "	1 25	2 50	3 50
1 lb. "	1 00	1 75	2 00
8 ozs. "	75	1 25	1 50

SINGLE WEIGHTS. SEPARATE FROM FULL SETS

	Each	Each	Each
$\frac{1}{4}$ ounce	\$0 15	\$0 15	\$0 25
$\frac{1}{2}$ ounce	15	15	30
1 ounce	15	20	35
2 ounces	15	25	50
4 ounces	15	30	65
8 ounces	30	50	85
1 pound	30	65	1 00
2 pounds	45	1 00	2 00
4 pounds	75	1 50	3 50
8 pounds	1 35	2 50	6 00

## U. S. STANDARD TEST WEIGHT

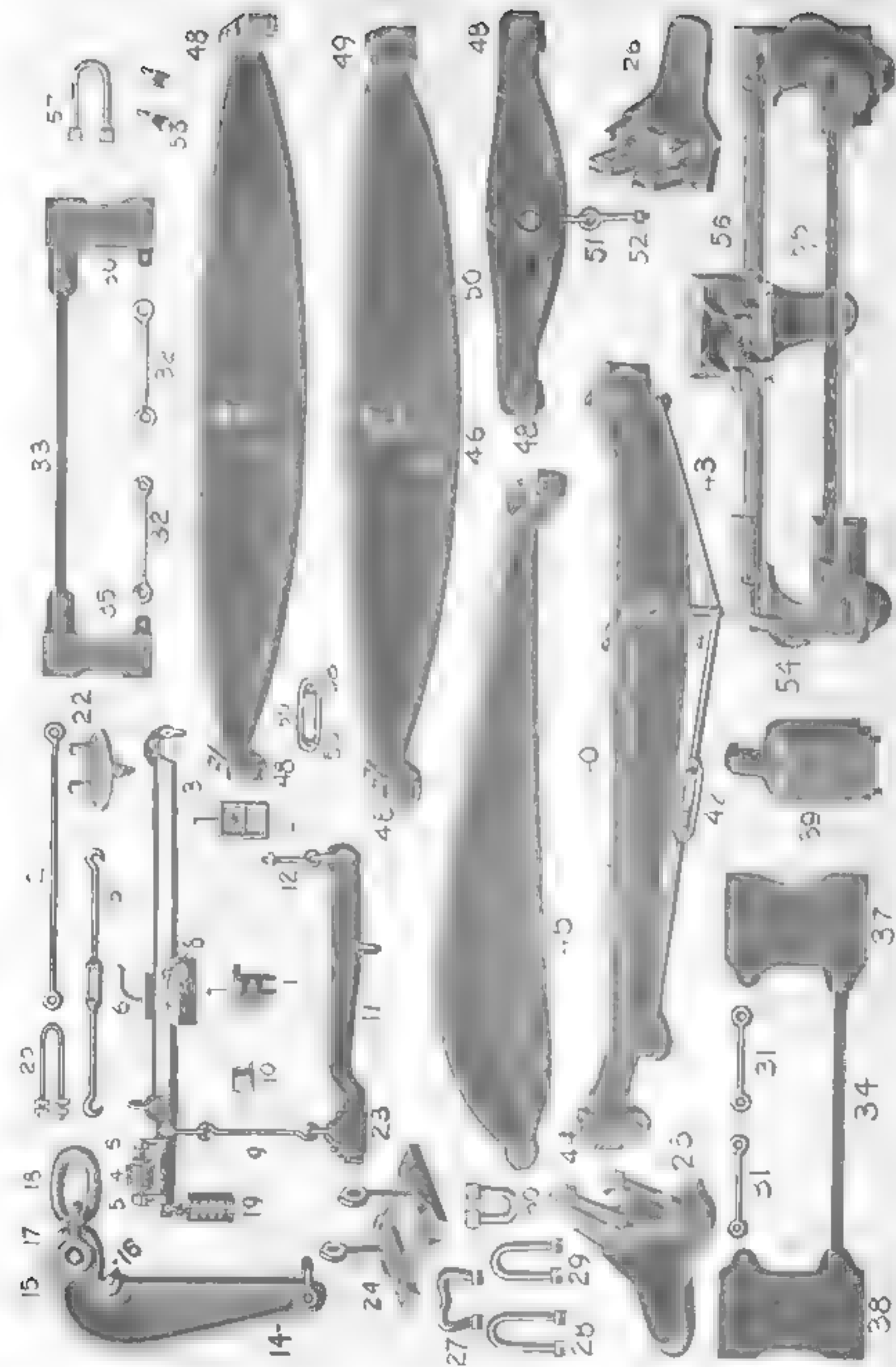


Weighs 50 pounds. Made of cast-iron. Price, \$5.00.

## WEIGH BOOKS

Weigh books, 600 tickets and stubs, three to a leaf, well-bound in cloth covers. Price by mail, postage paid, \$1.00. Payable strictly in advance.

# PARTS OF RAILROAD TRACK SCALES



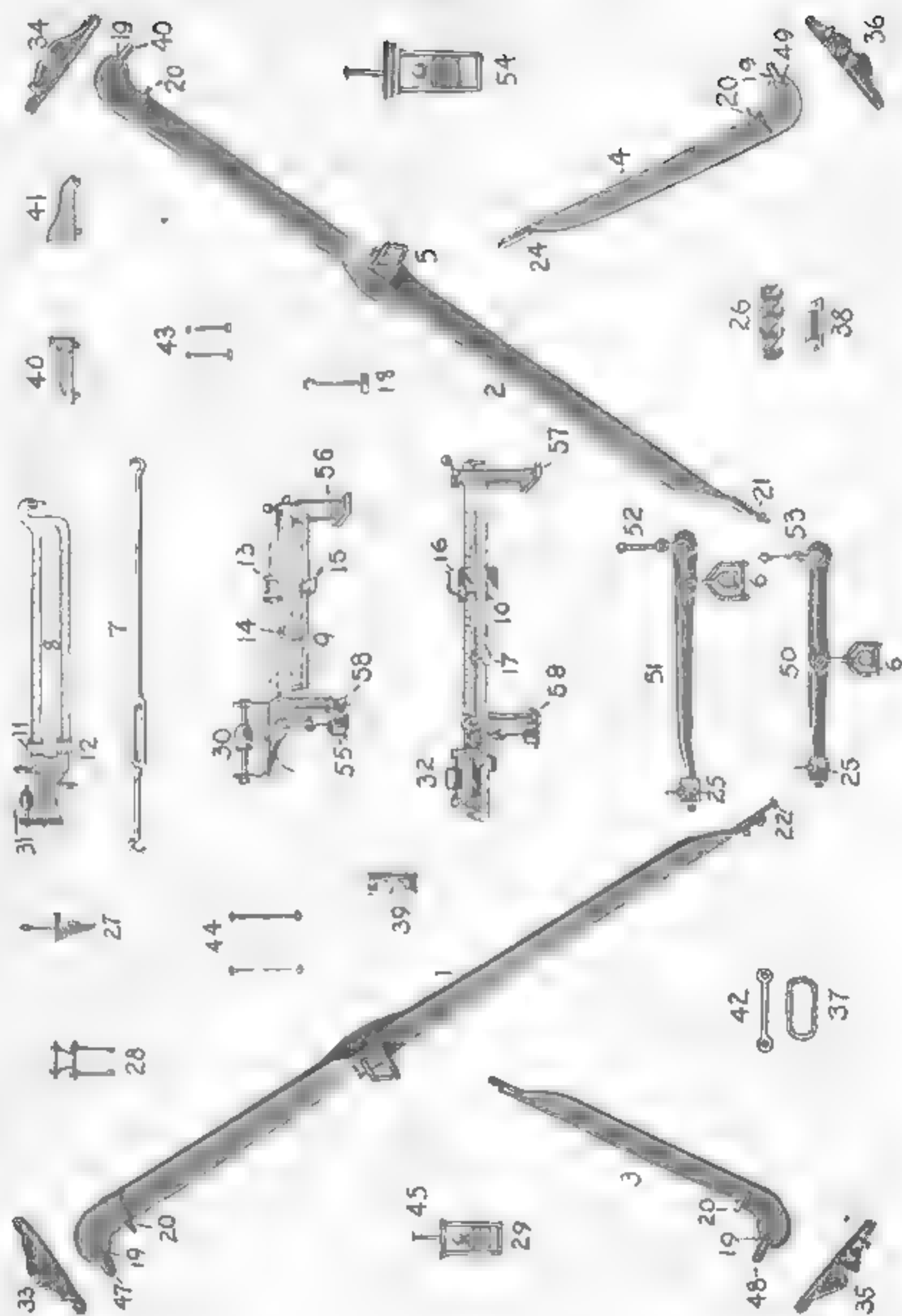
# LIST OF PARTS

## RAILROAD TRACK SCALE

CODE	NUMBER	DESCRIPTION	CODE	NUMBER	DESCRIPTION
Careworn	1	Guide Iron	Carpentry	31	Check Rods
Caribou	2	Trig Loop	Carpeting	32	Check Rods for Steel Const.
Caricature	3	Beam	Carpullon	33	Spreader for Steel Const.
Caricous	4	Balance Ball	Carpung	34	Spreader for Timber Const.
Carics	5	Ball Slides	Capulated	35	Left Bearing for Steel Const.
Carilargo	6	Pose	Captious	36	Right Bearing for Steel Const.
Carilaneon	7	Unit Beam	Captiveate	37	Right Bearing for Timber Con.
Caillon	8	Unit Poise	Capuivy	38	Left Bearing for Timber Const.
Cariole	9	Beam Rod	Capuchin	39	Shield
Cariopsis	10	Thimble	Capulet	40	Cross Lever
Cariostade	11	Shelf Lever	Carabmeer	41	Cross Lever Truss Post
Cariking	12	Fve Bolt	Carutut	42	Cross Lever Truss Rod Turnbuckle
Carilngue	13	Steelyard Rod	Cartulary	43	Cross Lever Truss Rod
Carlish	14	Main Lever	Cartway	44	Cross Lever Nose Iron
Carman	15	Main Lever Pivot	Cartwright	45	End Lever
Carminc	16	Bearing Pivot	Carrefour	46	Center Lever
Carney	17	Main Lever Loop	Catonnage	47	Double Head Lever
Carnege	18	Link	Caruncula	48	Inside Nose Irons
Carnation	19	Balance Weights	Carvel	49	Center Lever Nose Iron
Carnivul	20	Staples for Check Timber	Cavement	50	Idle Lever
Carnivora	21	3/4 inch Check Rod	Carving	51	Idle Lever Loop
Carosity	22	Check Iron	Carvitud	52	Idle Lever Eye Bolt
Carol	23	Shelf Lever Nose Iron	Casadero	53	Saddle Blocks
Carolling	24	Cross Lever Stud Loop	Casamuro	54	Arch
Carolytic	25	Center Chair	Cascabel	55	Arch Plate
Carotid	26	End Chair	Cascade	56	Angle Irons
Carousal	27	Double Loop	Casarella	57	Center Lever Loop
Carousing	28	Long Square Top Loop	Cashbox	58	Bearing Block
Carnasier	29	Cross Lever Loop	Casemate	59	Connecting Link
Carpel	30	Short Square Top Loop			

When ordering repairs always give shop number of scale, which will be found on R. R. Track, Wagon, Miner and R. R. Depot Scales, stamped on the face of the Beam at the butt end. On Portable Platform Scales the shop number is stamped into the end of wood cap over beam.

# PARTS OF SHALLOW PIT WAGON, DEPOT AND MINER SCALES



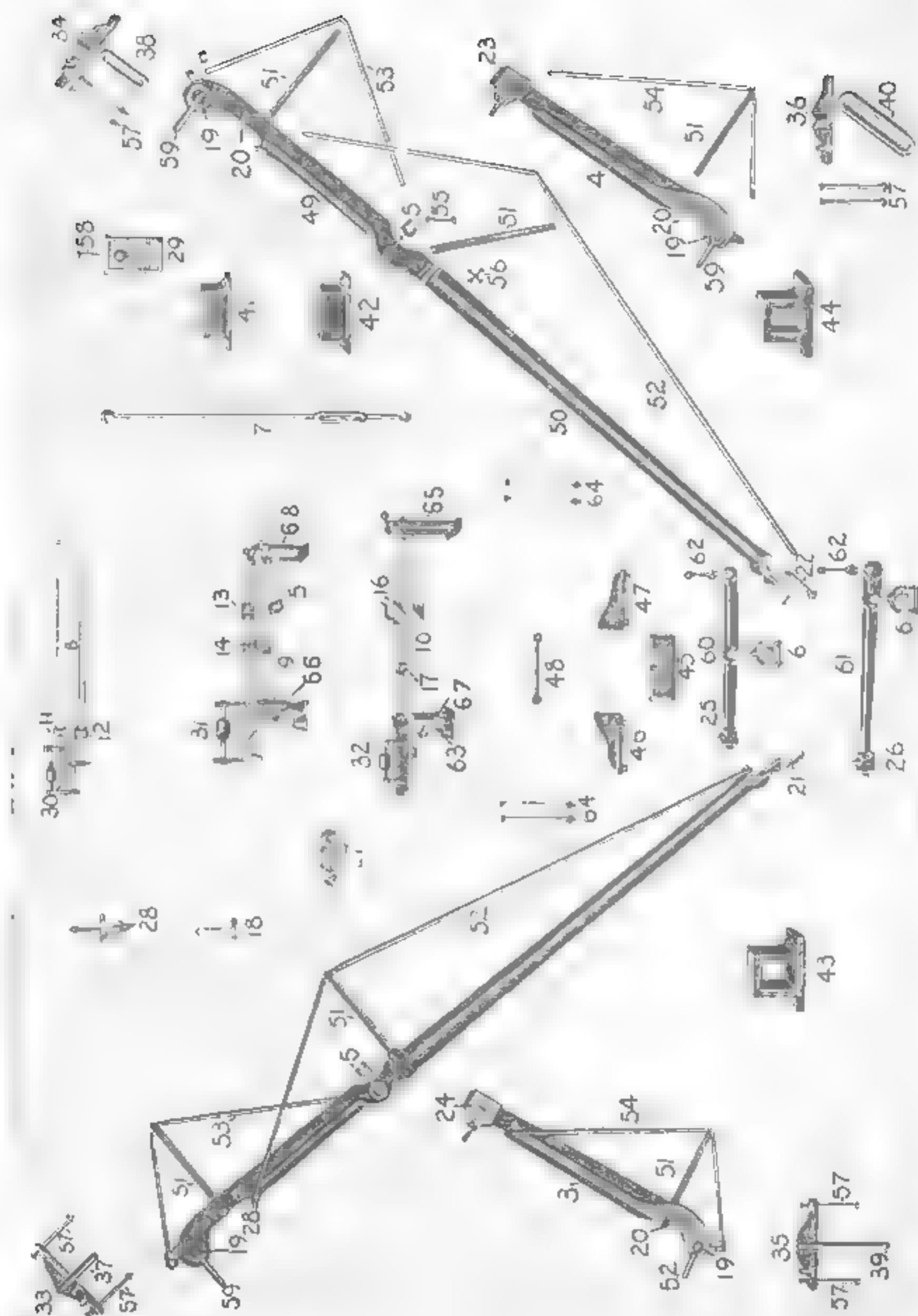
# LIST OF PARTS

SHALLOW PIT WAGON, DEPOT AND MINER SCALES

CODE	NUMBER	DESCRIPTION	CODE	NUMBER	DESCRIPTION
Calumniate	1	Left Hand Long Lever	Campaign	30 {	Balance Ball
Calumny	2	Right Hand Long Lever	Campaigner	31 {	
Calvinism	3	Left Hand Short Lever	Campanula	32 {	
Calvinize	4	Right Hand Short Lever	Campechy	33 {	Corner Iron
Calvario	5	Square Loop	Campement	34 {	
Calvary	6	Stirrup	Campesino	35 {	Corner Iron
Calvert	7	Steelyard Rod	Campesstral	36 {	
Calvish	8	Double Beam	Campphorate	37	Links
Calvitie	9	Combination Beam	Camping	38	Bearings
Calyene	10	Compound Beam	Campstool	39	Inside Check Irons
Calyx	11 {	Poise	Canaille	40 {	Outside Check Irons
Camandula	12 {		Canakin	41 {	
Camaraque	13 {	Poise	Canulita	42	Check Rods
Cambist	14 {		Canardcau	43	Corner Iron Bolts
Cambrel	15 {		Canaries	44	Platform Bolts
Cambrian	16 {		Canary	45	Trig Loop Bolt
Cambrie	17 {		Cancellate	46 {	
Cambrillon	18	Counterpoise	Cancer	47	Fulcrum Loop
Cambronal	19	Fulcrum Pivot	Cancerated	48	
Cambrure	20	Bearing Pivot	Cancerous	49	
Cambusier	21	Nose Iron	Canceroma	50	Shelf Lever
Camellia	22	Nose Iron	Canceriform	51	5th Lever
Camelot	23	Nose Iron	Cancerina	52	Eye Bolt
Camera	24	Nose Iron	Cancerinite	53	Eye Bolt
Cameration	25	Nose Iron	Candelabra	54	Trig Loop
Camisado	26	Weights	Candela	55	Thimble
Camoufflet	27	Guide Iron	Candecant	56 {	Upright Trig Loop
Camously	28	Stud Loop	Candid	57 {	
Campagnard	29	Trig Loop	Candidate	58 {	
			Candidness	59 {	Upright Stud Loop

When ordering repairs always give shop number of scale, which will be found on R. R Track, Wagon, Miner and R. R. Depot Scales, stamped on the face of the Beam at the butt end. On Portable Platform Scales the shop number is stamped into the end of wood cap over beam.

# PARTS OF TRUSSED LEVER WAGON SCALES



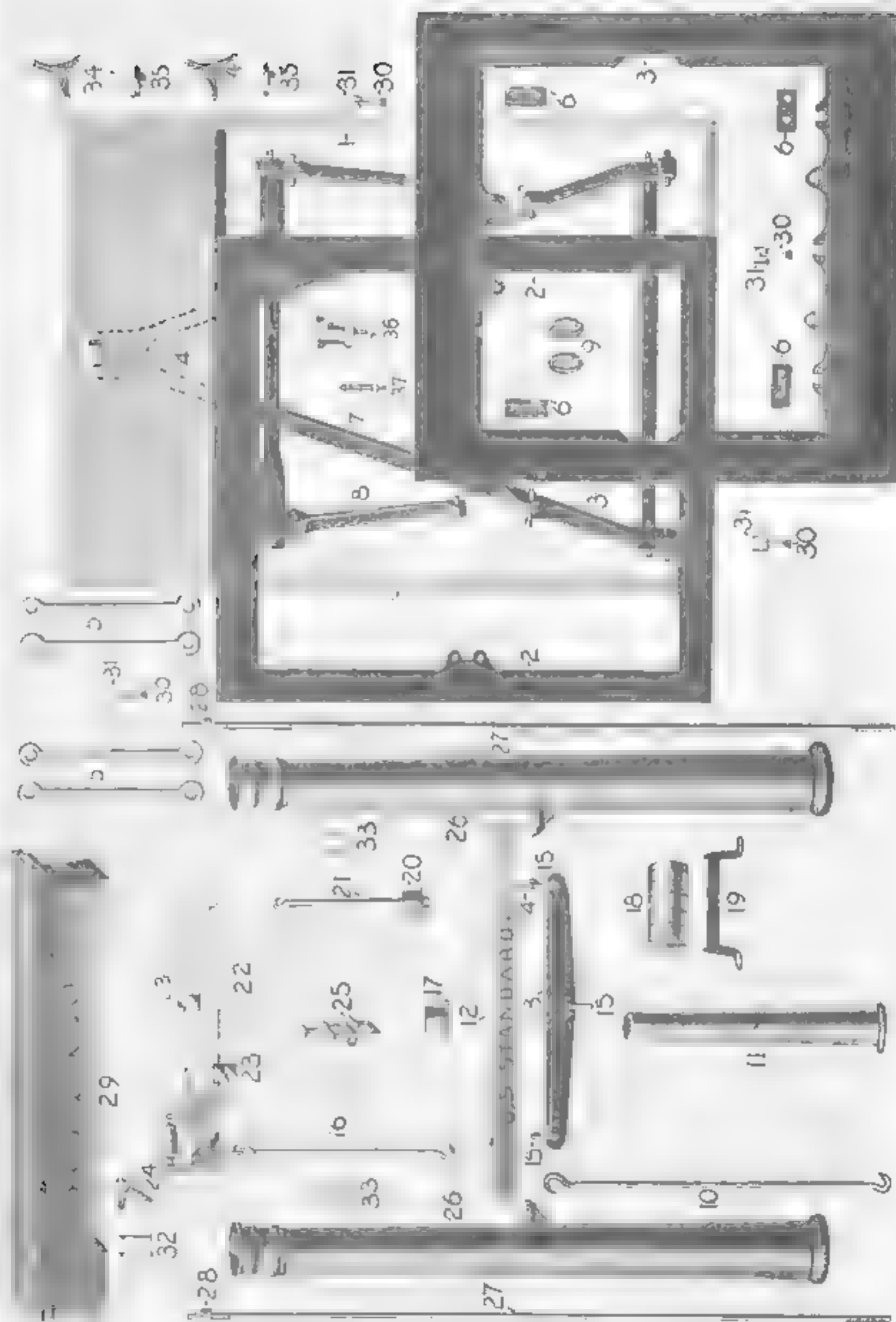


# LIST OF PARTS (TRUSSED LEVER WAGON SCALE)

CODE	NUMBER	DESCRIPTION	CODE	NUMBER	DESCRIPTION
Canephore	1	Left Hand Long Lever	Canticle	35	Corner Iron
Canescent	2	Right Hand Long Lever	Cantilene	36	Links
Cangilon	3	Left Hand Short Lever	Cantimero	37	Links
Canicular	4	Right Hand Short Lever	Cantlet	38	Bearings
Canne	5	Square Loops	Cantonada	39	Bearings
Canister	6	Stirrup	Cantonment	40	Inside Check Irons
Caniveau	7	Steelyard Rod	Canvasser	41	Outside Check Irons
Canker	8	Double Beam	Canzonet	42	Check Rods
Cankerbit	9	Combination Beam	Capability	43	Butt Lever
Cankerworm	10	Compound Beam	Capacete	44	Splice Lever
Cannabine	11	Poise	Capacify	45	Truss Posts
Canneberge	12	Poise	Capachero	46	Truss Rods
Cannelure	13	Poise	Capacious	47	Truss Post Bolts
Cannetille	14	Poise	Capacitate	48	Splice Bolt
Cannibal	15	Poise	Caparison	49	Corner Iron Bolts
Cannon	16	Poise	Capellet	50	Trig Loop Bolt
Cannonade	17	Poise	Capitation	51	Fulcrum Loops
Canoe	18	Counterpoise	Capitulate	52	Shelf Lever
Canones	19	Fulcrum Pivot	Capoch	53	5th Lever
Canonical	20	Bearing Pivot	Capolado	54	Eye Bolt
Canonize	21	Nose Iron	Capon	55	Thimble
Cananship	22	Nose Iron	Caponize	56	Platform Bolts
Canopied	23	Nose Iron	Capote	57	Upright Trig Loop
Cansado	24	Nose Iron	Cappadine	58	Upright Stud Loop
Cantab	25	Nose Iron	Capper	59	Upright Trig Loop
Cantabrian	26	Weights	Capreolas	60	Upright Trig Loop
Cantalite	27	Guide Iron	Caprice	61	Upright Trig Loop
Cantaloup	28	Trig Loop	Capricious	62	Upright Trig Loop
Cantata	29	Balance Ball	Capricorn	63	Upright Trig Loop
Cantation	30	Balance Ball	Caprizant	64	Upright Trig Loop
Cantatory	31	Balance Ball	Capario	65	Upright Trig Loop
Cantatrice	32	Balance Ball	Capsicum	66	Upright Trig Loop
Canteen	33	Balance Ball	Capsular	67	Upright Trig Loop
Cantering	34	Corner Iron	Capsulate	68	Upright Trig Loop

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# PARTS OF DORMANT SCALES



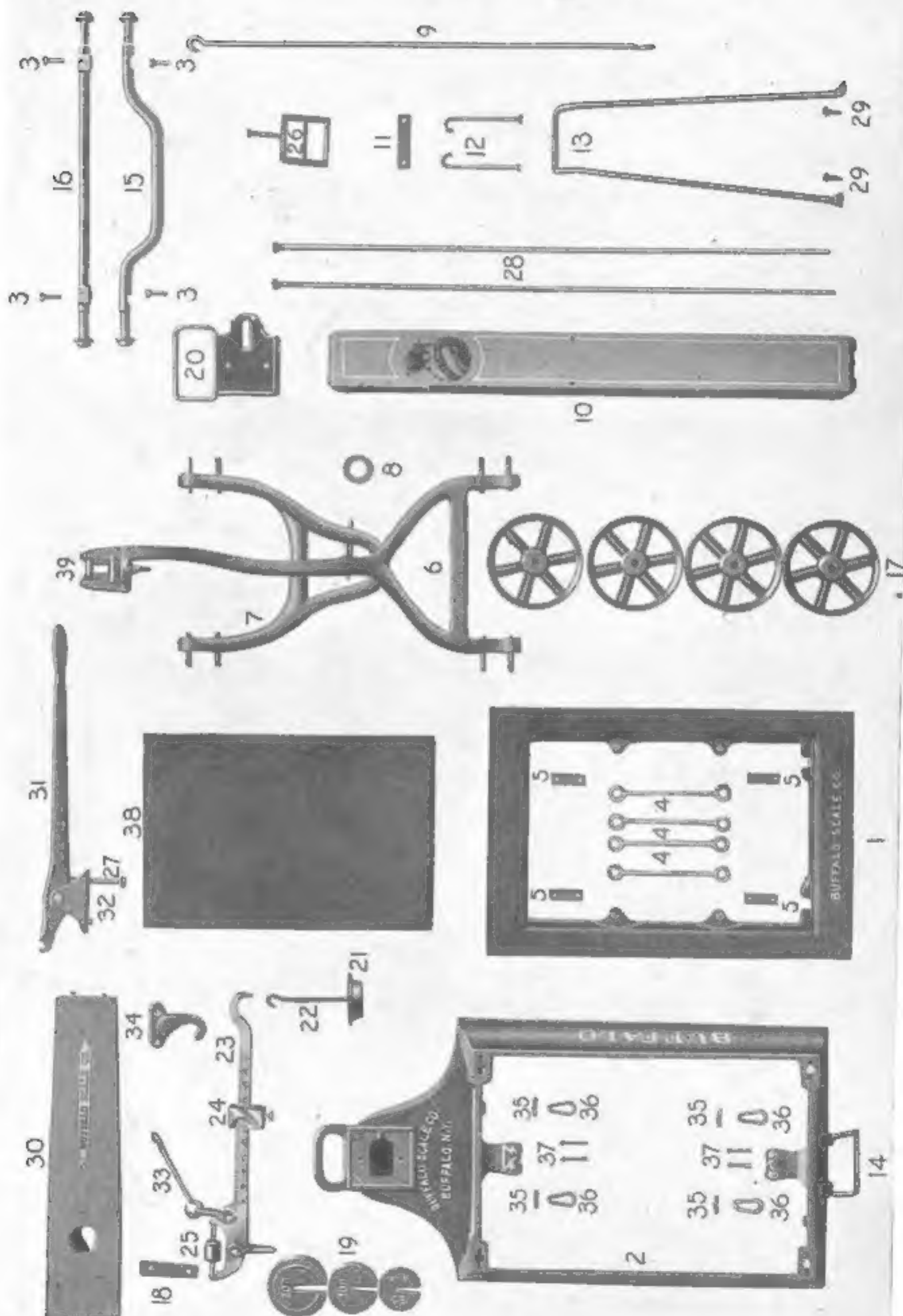
# LIST OF PARTS

## DORMANT SCALES

CODC	NUMBER	DESCRIPTION	CODE	NUMBER	DESCRIPTION
Caffre	1	Box	Calambour	20	Counterpoise Cup
Cuftan	2	Frame	Calamine	21	Counterpoise Stem
Cagmag	3	Platform	Calamitous	22	Beam
Cagnard	4	Neck Board	Calamity	23	Poise
Caillette	5	Check Rods	Calavera	24	Guide Iron
Cuirns	6	Bearing Steel	Calcareous	25	Trig Loop
Cairngorm	7	Long Lever	Calenform	26	Pillars
Caissons	8	Short Lever	Calcinated	27	Pillar Rods
Caitiff	9	Rungs	Calcine	28	Pillar Rod Nuts
Cajole	10	Steelyard Rod	Calcinung	29	Cap
Cajoloment	11	Steelyard Rod Pipe	Calctrate	30	Corner Loops
Cajolery	12	Shelf	Calceeton	31	Staples
Cakebreal	13	Shelf Lever	Calcium	32	Guide Iron Bolts
Calubash	14	Shelf Lever Lye Bolt	Calculable	33	Cotter Pins
Calafetin	15	Shelf Lever Loop	Calcule	34	Pillar Guide
Calagozo	16	Beam Rod	Calculus	35	Lower Pillar Rod Nut
Calabrian	17	Beam Rod Thimble	Caldera	36	Nose Iron
Calahorra	18	Weights	Caldron	37	Nose Iron Screw
Calamary	19	Weight Rack			

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## PARTS OF PLATFORM SCALES



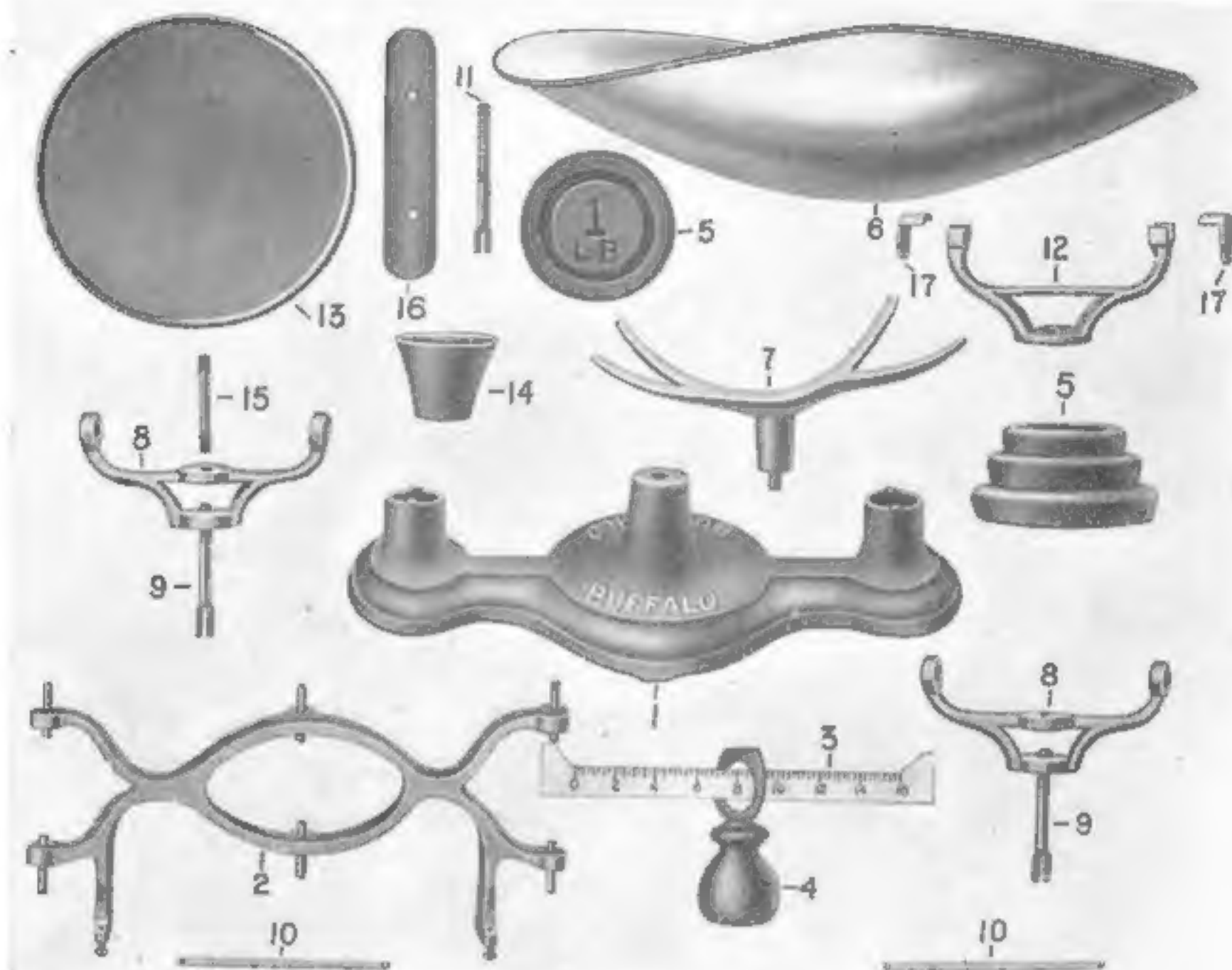
# LIST OF PARTS

## PORTABLE PLATFORM SCALES

CODE	NUMBER	DESCRIPTION	CODE	NUMBER	DESCRIPTION
Cabecera	1	Platform	Cacoethes	21	Counterpoise Cup
Cabecilla	2	Frame	Cacography	22	Counterpoise Stem
Cabstrar	3	Axle Bolts	Cacophonie	23	Beam
Cabillaud	4	Check Rods	Cactaceous	24	Poise
Cabinet	5	Bearing Steel	Cactus	25	Balance Ball
Cabman	6	Long Lever	Cacuminate	26	Trig Loop
Caboche	7	Short Lever	Cadalso	27	Drop Lever Stand Bolt
Cabotage	8	Ring	Cadastral	28	Pillar Rods
Cabriole	9	Steelyard Rod	Cadaver	29	Pillar Brace Bolts
Cabrank	10	Pillar	Cadaverous	30	Wooden Cap
Cabrero	11	Brace Strap	Cadbate	31	Fulcrum Lever
Cabrioleur	12	Hook Bolts	Caddies	32	Fulcrum Lever Stand
Cabstand	13	Brace	Caddy	33	Fulcrum Lever Beam Hook
Cachalot	14	Handle	Cadeau	34	Fulcrum Lever Hook
Cacharro	15	Crooked Axle	Cadence	35	Frame Pins
Cachet	16	Straight Axle	Cadeneta	36	Corner Loops
Cacholong	17	Wheels	Cadenette	37	Cotter Pins
Cachunde	18	Wooden Cap Strap	Cadet	38	Platform Board
Cackler	19	Weights	Cadetship	39	Nose Iron
Cacklings	20	Cap			

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## PARTS OF TRIP SCALES



## LIST OF PARTS (TRIP SCALES)

CODE	NUMBER	DESCRIPTION
Catalpa	1	Base
Catalysis	2	Even-Balance Lever
Catamaran]	3	Brass Beam
Catamount	4	Poise
Catapeltic	5	Weights
Cataphoric	6	Scoop
Catapult	7	Scoop Fork
Cataract	8	End Cross Bar
Catastrophe	9	Lower Post
Catch	10	Wire Levers
Catcher	11	Center Post
Catching	12	Center Cross Bar
Catchpole	13	Round Top
Cater	14	Shot Cup
Cattle	15	Shot Cup Post
Caucus	16	Shield
Caudex	17	Caps





Posted December, 2022  
Brian D. Szafranski  
Elma, New York USA

Please don't reprint for profit.